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# foreign agriculture circular

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## horticultural products

Approved by the World Agricultural Outlook Board • USDA

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### HORTICULTURAL PRODUCTS REVIEW

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### EXPORT SUMMARY

Earnings from U.S. horticultural exports during the first quarter of fiscal year 1983 (October 1982-December 1982) were a disappointing \$741 million, down 11 percent from the corresponding period in FY 1982. FY 1983 exports have suffered heavily from a weak world economy, the persistent strength shown by the U.S. dollar relative to other key currencies, and generally unfavorable underlying supply and demand fundamentals which have minimized foreign demand for several U.S. horticultural products. Approximately three-fourths of the nearly \$93 million decline in first quarter exports are attributed to reduced sales to the European Community (EC) and Japan. Additionally, exports to such important markets as Mexico and Hong Kong fell sharply during the period.

For further information on items in this circular, contact the Horticultural and Tropical Products Division, (202) 447-6590. All measures in this report, unless noted otherwise, are metric, one kilogram (kg)=2.2046 lb., 1 metric ton= 2,204.62 lb., 1 liter=0.2642 gallon, and 1 hectare=2.471 acres.



## SUMMARY

Horticultural exports to the EC slumped largely in response to a much smaller movement of almonds, walnuts, orange juice, and fresh grapefruit and lemons. There were almost no Japanese imports of U.S. onions in October-December 1982 due to a marked recovery in the Japanese crop. With U.S. onion sales to Japan down almost \$29 million, this can be viewed as the single most important factor in the poor first quarter results. Japanese imports of canned corn, which have in recent years been expanding, now are discouraged by the U.S. dollar-yen relationship. Exports of almost all fresh and processed fruit and vegetables to Mexico have been dramatically curtailed by the economic belt-tightening measures enacted by the Mexican government in recent months. Exports to Mexico during the first three months of FY 1983 were \$11 million less than a year earlier. In Hong Kong, short supplies of California navel oranges due to the delay in crop maturation accounted for nearly all of the \$8 million drop-off in U.S. horticultural exports. Export performance to other destinations, including Canada, our number one export outlet, has been lackluster. Noteworthy among the few bright spots are increased sales to Venezuela, Saudi Arabia, Taiwan and Singapore.

A healthier world economy together with the continuation of the recent downturn in the value of the dollar could help improve U.S. horticultural exports during the remainder of FY 1983. Nevertheless, export earnings are likely to continue below levels recorded in FY 1982. Exports during the remaining nine months of FY 1983 are expected to fall only 3 percent below the same period in FY 1982 compared to the 11 percent drop in the first quarter. Therefore, total horticultural exports over the entire FY 1983 are forecast at \$2.7 billion, close to \$150 million below FY 1982.

### MARKET ACCESS AND OPPORTUNITIES

--On December 25, Japan announced import tariff reductions on about 30 horticultural products. These reductions are scheduled to become effective April 1, 1983. Most involve accelerated implementation of tariff cuts agreed to in the Multilateral Trade Negotiations. The horticultural products benefitting from reduced duties, and their new tariff rates, include: fresh avocados-6 percent; table grapes (November-February)-13 percent; kiwifruit-8 percent; papayas-4 percent; pecans-16 percent; dried prunes-4 percent; raisins, in containers not over 10 kg. each-6 percent; raisins, other-2 percent; frozen berries excluding strawberries-10 percent; ripe olives in airtight containers not less than 10 kg. each-9 percent; frozen sour cherries, sugar added-23 percent; canned peaches, sugar added, in containers not less than 2 kg. each-15 percent; canned peaches, sugar added, other-18 percent; canned peaches, without sugar added-15 percent; fruit cocktail-14 percent; and roasted almonds-10 percent.

--Ecuador has banned imports of virtually all horticultural products as part of a package of measures to overcome a balance of payments deficit. Only four products are exempt from the ban: hops, tomato paste with a dry matter content of 25 percent or more, seed potatoes, and garlic for planting. These products are subject to a prior deposit requirement. In addition, imports of seed potatoes and garlic require the prior approval of the Ministry of Agriculture.



Imports of horticultural products are viewed as an unnecessary luxury by Ecuadorian trade officials. However, the prohibition imposed is not likely to effectively stop imports. Contraband shipments through Colombia and Panama are expected to increase sharply. In fact, a surge in such shipments reportedly has occurred already. Ecuador purchased \$2.6 million worth of U.S. horticultural products in 1981, primarily apples, grapes, dried fruit, and wine.

--The passage of a bill by the Canadian Parliament will restore legal status to the Canadian Arbitration Board, the mediator of disputes between growers, shippers, and buyers of domestic and foreign fruits and vegetables. As the result of a 1974 court case, the powers of the Board were nullified. Since that time, U.S. exporters of fresh fruits and vegetables to Canada have had to use expensive and time consuming court proceedings to settle trade disputes. The new Act should serve to protect U.S. exporter interests in the half billion dollar fresh fruit and vegetable trade with Canada. Regulations under the Act are expected to be drafted in early 1983.

--The European Community (EC) set the tariff quota for raisin imports at 5,000 tons for the 1983 calendar year. Within the limits of this tariff quota, the duty on raisins in containers of 15 kilograms or less will be reduced to 2 percent, half the normal rate of 4 percent. Importers in each country will have free access to the shares allocated to that member state. The largest allocations were to the United Kingdom, 2,406 metric tons, and West Germany, 1,395 tons.

--On December 27, 1982, Indonesia announced a decree to curb imports of fruits and non-essential goods. Reasons for the decree cited by the Minister of Trade and Cooperatives are to guarantee smooth and regular procurement of agricultural products and to stimulate domestic production. The immediate effect of the decree is to designate approved importers and improve gathering of import statistics. No new or increased duties were imposed. Products affected include grapes, apples, tropical fruits, canned and dried fruits, citrus, jams, juices, pickled fruits and vegetables, beer, and wine.

It is still too early to tell exactly how the new regulations will be interpreted, implemented, or enforced. Shipments with a letter of credit have until February 27 to arrive under the old import rules.

--On January 1, 1983, Taiwan implemented the second reduction of the customs valuation uplift by reducing it from 15 to 10 percent. The "uplift" is the percentage factor by which the Taiwanese authorities inflate the c.i.f. price before assessing duties, harbor fees, and commodity taxes. The first reduction in the customs valuation uplift from 20 to 15 percent became effective February 1980. It is hoped the uplift will be entirely eliminated by January 1, 1985.

--The Canadian Government extended its surtax on imports of yellow onions into Western Canada until March 15, 1983. The surtax--which applies to imports entering Canada west of Thunder Bay, Ontario (i.e., west of Lake Superior)--was originally scheduled to be in effect only from October 15 to December 31, 1982, but continued low prices for onions prompted the Canadian Government to extend it. From January 1 to March 15 the benchmark for yellow onions is set at approximately US\$3.93 per 50 pound bag (9.7 Canadian cents per pound). The surtax, calculated for each shipment, is the difference between the benchmark and the f.o.b. price of the onions. (See Hort. Prods. Rev., Nov. 1982, pg. 2.)



MARKET PROMOTION ACTIVITIES

--Ocean Spray Cranberries, Inc., has received the President's "E" award for excellence in export expansion from the U.S. Department of Commerce. The president of the cooperative, Hal Thorkilsen, noted that exports of Ocean Spray's cranberry products have increased almost tenfold since 1974. Ocean Spray cranberry products including juice drinks and sauces as well as fresh fruit are exported to dozens of countries throughout the world. These products are also packed under licensing arrangements, using American cranberries, in Canada, Australia, Taiwan, Japan and the United Kingdom.

Ocean Spray, a marketing cooperative based in Plymouth, Massachusetts, has been a participant in the FAS export incentive program since 1974. It is one of 1,900 companies nationwide to receive the "E" award since 1961.

--The National Potato Promotion Board, an FAS Cooperator, held a seed potato export seminar in South Miami, Florida, January 13-15, 1983. Participants at the seminar included representatives from Venezuela, Costa Rica, Argentina, Panama, Jamaica, Brazil, Puerto Rico, and Peru. Topics included meristem culture, cut seed and physiological aging, the Commodity Credit Corporation, new developments in transportation, freight forwarding and insurance. Participants toured winter seed potato plots with many varieties of potatoes from different states.

COMMODITY UPDATE

--A newspaper poll in Japan shows strong public support for liberalization of import controls on citrus. Fifty percent of those surveyed supported liberalization of orange and orange juice imports, while only 26 percent opposed it. Of those who had tasted U.S. oranges, 56 percent said they would eat more if prices were lower. The survey, of 1,000 people throughout Japan was conducted January 8 and 9 by Sankei newspaper.

--Errata for orange and total citrus tables, pages 14 and 15 of the January edition: Israeli exports of fresh oranges and total citrus during the 1982/83 season were incorrectly shown at 382,000 and 657,000 tons, respectively. The correct Israeli export figures, which do appear in the report narrative, are 526,000 tons for oranges and 801,000 tons for total citrus. Total citrus exports from Northern Hemisphere countries in 1982/83 are accordingly forecast at 6.01 million tons, 2 percent above last year. The larger volume is largely attributed to an increased export movement by Morocco, the United States and Israel.

--French exports of Granny Smith apples to North America during the 1982/83 marketing year are projected to total 9,500 to 10,000 metric tons to the United States and 7,500 to 8,000 tons to Canada. This is a substantial increase over the 2,400 tons of apples France shipped to both countries during the 1981/82 season. Exports of French apples to North America will end by late February 1983 because of the onset of the Southern Hemisphere shipping season.



French apple exports to North America constitute a small portion of France's total apple exports, but they are exceptional for two reasons. The Granny Smith variety represents only about 8 percent of total French apple exports, yet nearly all French apple exports to North America are of that variety. And, unlike French apple exports to many other non-EC countries, there are no EC apple export subsidies for exports to North America.

--French in-shell walnut exports will not meet initial expectations for the 1982/83 season. This is attributable mostly to low pricing of California walnuts, and in the case of Southwest France, poor marketing organization. The French walnut export forecast for the 1982/83 season has been lowered 14 percent to 8,300 tons (in-shell), but it will still represent a 42 percent increase over the preceding season.

--French wine production in 1982 was placed at 79.2 million hectoliters (MHL), the third highest level of the century, exceeded only by output of the 1973 and 1979 seasons. Production of AOC (wines with registered designation of origin) and cognac wines was especially high and as a result, retail prices of these items are now less than table wines. AOC producers have requested EC measures to relieve this situation.

French AOC volume was estimated at 20 MHL in 1982, 40 percent greater than a year earlier and cognac wines increased by 7.4 MHL to 12.6 MHL. VDQS (specified wines of superior quality) production was 2.5 MHL, .5 MHL above 1981 output and table wine production rose by .5 MHL to 36.7 MHL. Note: (1 hectoliter equals 26.4 gallons).

--The EC calendar year 1983 import quota for canned mushrooms has been set at 20,850 metric tons, drained weight equivalent (34.750 tons, net weight), the same as last year. Imports falling within this quota pay an import duty of 23 percent ad valorem. Imports in excess of the quota are subject to a levy of 160 European Currency Units (ECU's) per 100 kilograms, net weight (currently equivalent to about \$2.58 per kilogram, drained weight basis). West German importers are allocated 95 percent of the quota. Supplier countries given a share of the quota include China, 75 percent; South Korea, 10 percent; Taiwan, 6 percent; Spain 3 percent; and Hong Kong, 1 percent.

--A charge that canned mushrooms from China are being dumped (sold for less than fair value) on the U.S. market is currently being investigated by the Department of Commerce. In December, after a preliminary investigation, the U.S. International Trade Commission (ITC) reported that there was a reasonable indication that the U.S. canned mushroom industry was being injured by imports of canned mushrooms from China. The Department of Commerce is scheduled to determine by March 28, 1983, whether Chinese canned mushrooms are being sold for less than fair value in the United States.

An earlier case was resolved on November 30, 1982, when the President announced that he had accepted the recommendation of two ITC commissioners that the increase in imports of canned mushrooms from China had not caused market disruption in the United States.



## COMMODITY UPDATE

--The Government of Jamaica has announced "Operation 12," a proposed high priority program to stimulate private investment to produce non-traditional crops for export and import substitution. The Prime Minister of Jamaica has asked the U.S. government for assistance in developing the program and attracting investors for it. Tentative 1983 targets for horticultural crops include:

<u>Item</u>	<u>Area</u> (hectares)	<u>Capital</u> <u>Investment</u> -----	<u>Annual</u> <u>Export Earnings</u> -----
		(US\$1,000)	
Winter Vegetables	1,000	15,700	2,500
Ornamental Crops	400	64,600	23,900
Mangoes	200	800	200
Citrus	400	4,500	1,800
Papaya	400	1,100	700
Pineapple	200	900	500

Private foreign investors in these projects would benefit from a number of Jamaican government incentives including tax relief, assurance of capital and profit remittance rights, and special assistance in working with government agencies.

--Colombian exporters of cut flowers have agreed to forego a 4 percent tax rebate subsidy on exports to the United States. On August 6, 1982 U.S. growers of cut flowers filed a petition under the countervailing duty statute alleging that exports of cut flowers from Colombia benefit from subsidies through the CAT program of tax rebates, the preferential exchange rate program and the preferential air freight rate program. The Department of Commerce issued a preliminary determination on November 1, 1982 finding that the CAT program constituted a 4 percent subsidy. The preferential exchange rate program was determined not to be a subsidy. No determination was made concerning the air freight rate program.

Officials of the U.S. Department of Commerce and representatives of the Colombian association of cut flower exporters signed a suspension agreement on January 12, 1983. Under the terms of the agreement, Colombian exporters of cut flowers will renounce CAT rebates. This program will be monitored by the Colombian central bank which will report to the Commerce Department on the operation of the agreement.



WORLD TOMATO PRODUCTS SITUATION

## PROCESSING TOMATO PRODUCTION

Following a 2-year decline, production of tomatoes for processing in ten key countries rose in 1982 approximately 13 percent over the 1981 level. The United States increased production 28 percent over the 1981 crop. In Greece production remained stable; while in Italy, a delay in reaching a national agreement between growers and canners and unfavorable weather were responsible for an 8-percent decline in 1982 production. Quality of the Italian crop was also lower. Higher Italian production is expected in 1983, however, due to brisk market conditions, high profits in 1982 and expected low carry-over. To avoid over-production, maximum quantity for processing in 1982/83 is set at 3.3-3.4 million metric tons.

Spain's production, up 14 percent above last year, was attributable to a 21-percent gain in yields. Improved marketing prospects for tomato paste to non-EC countries and low stocks encouraged Portuguese growers to plant substantially more acreage in 1982.

Israel recorded a record crop in 1982--double the 1979 level. Growth in mechanized picking, falling returns for cotton and late rains (Feb.-Mar.) were contributing factors. The Government of Israel, however, has announced its intention to eliminate subsidies for the 1983 crop; therefore, Israeli production in 1983 may decline.

Taiwan recovered somewhat in 1982 from the previous year's low production level with significant increases in both yield and acreage planted. Increased planting was stimulated by higher U.S. import demand in 1981. Target production for the 1983 season of 340,000 tons is 10 percent below 1982 output.

## TOMATO PRODUCTS

Beginning stocks in the 1982 processing season were lower than average in most countries. Israel entered the 1982 packing season with almost no stock, while California packers reported very low carry-in of both canned tomatoes (53,660 tons) and tomato paste (2,880 tons).

In Italy, stocks of canned tomatoes in June were small and virtually no paste was carried into the 1982/83 season. The Spanish industry entered the 1982/83 processing season with 70 percent less canned tomato stock and 50 percent less paste stock than in 1981.

Low overall carry-in was not compensated for by 1982 processed production. Production of canned tomatoes in key countries was down slightly from 1981 levels while increases in production of tomato paste were negligible. In Italy, processing yields for paste averaged 20 percent lower than in 1981. In addition, fresh tomato shortages forced canners to end operations two weeks earlier than normal. Industry sources reported that an additional 500,000 tons of tomatoes could have been profitably processed. Year-end stocks are projected to be low and high-priced. New products, primarily smashed, creamed and chopped tomatoes, are beginning to replace paste in both domestic and export markets.



## TOMATO PRODUCTS

Low cannery yields in the Ebro region and general recession caused an 18-percent drop in Spanish output of canned tomatoes. However, the 1982 production estimate for tomato paste approaches the 1980 level. Portugal's larger crop led to significant gains over 1981 levels in product packed and in exports. The industry operated at 55 percent capacity in 1982 versus 40 percent in 1981 due to a small crop and poor export prospects. Portuguese exporters, facing competition from subsidized Italian and Greek tomato paste in the European market, have increased shipments to the Soviet Union and North America.

French production of canned products was below 1981 levels due to decreased tomato production. Carry-in in 1982/83 for paste was 10,100 tons, down from 18,000 tons in 1981/82, and is expected to be even lower going into next season. Taiwan's processed output--90 percent of which is exported--was up in 1982. In spite of an active market, ending stocks in November 1982 will be comparable to those in 1981 (approximately 11 percent of seasonal production).

### PRICES AND SUBSIDIES

Minimum grower prices (MGP) and processor subsidies (PS) for European Community members in 1982/83 are shown below.

#### EUROPEAN COMMUNITY: MINIMUM GROWER PRICES AND PROCESSING SUBSIDIES 1981/82 AND 1982/83 (U.S. dollars $\frac{1}{\text{metric ton}}$ )

Product	EC MEMBERS (EXCEPT GREECE)				GREECE			
	MGP		PS		MGP		PS	
	1981/82	1982/83	1981/82	1982/83	1981/82	1982/83	1982/83	1982/83
Tomato Concentrate: (28-30 <sup>0</sup> Brix).....	96	96	419	442	63	68	225	325
Whole peeled Tomatoes:								
San Marzano.....	161	160	174	182	115	122	125	161
Roma.....	122	121	126	132	82	88	94	125
Crushed and frozen tomatoes.	101	100	62	65	68	73	46	61

1/ In 1981/82, 1 ECU=\$1.04; in 1982/83, 1 ECU=\$0.97.

Industry sources believe the EC subsidies, initiated in 1981 for Greece, will eventually enable Greece to regain its strong market position in Europe.

Beginning with the 1982/83 processing year, the EC Council is setting the level of guarantee for tomato paste and peeled tomatoes for Greek producers. Volume limits in 1982/83 for the subsidy program are 2,990 tons fresh tomato equivalent for paste and 1,310 tons for canned tomatoes.

In Italy, due to this season's smaller crop, actual prices paid were slightly higher than subsidy levels. To reduce the risk of surplus production, the proposed increase in MGP for EC growers in 1983/84 is 3.5 percent.



Prices guaranteed to Spanish growers in 1982 were \$46 per ton in the Estremadura region (tomatoes for paste) with a 300,000-ton ceiling; and \$65 per ton in other regions including the Ebro (all-purpose tomatoes) with a 100,000 ton ceiling. Average prices received in 1982 were slightly higher. Processor subsidies for tomatoes for paste are tied to a \$142 per ton subsidy for paste exports to countries other than the United States and to grower and processor credit programs. Tax refunds on exported tomato products amounted to 1.5 percent for paste and 10.0 percent for canned tomatoes.

In 1982/83, the Portuguese Government guaranteed growers \$50.20 per ton for first quality tomatoes and \$41.90 per ton for second grade tomatoes. Processor subsidies were \$170 per ton for tomato paste in 1981.

Israeli grower prices in 1982 of \$75 per ton included an \$11 government subsidy. The subsidy currently represents 17 percent of grower returns. With the possible termination of the subsidy in 1983/84, costs of raw materials for processors may rise 20 percent.

Average price received in 1982 by California growers of tomatoes for processing was \$51 per ton. In Taiwan, the 1982 contract price for Grade 1 tomatoes, which comprise 88 percent of tomatoes for processing, was \$41.39 per ton. Price actually paid in 1982 was \$44 per ton.

#### WORLD TRADE

Exports of canned tomatoes from key countries rose dramatically in 1981, primarily due to the increased volume of Italian exports. The United States and the United Kingdom imported most of Italy's additional product.

Increased demand for paste imports in the United States in 1981/82 was met by Mexico, Israel, Taiwan, Spain, Portugal and Italy. With the exception of Italy, total paste exports from these countries was up in 1982. Paste exports from Greece were also up in 1982 due to increased supplies.

Portugal faces continued erosion in both EC and other West European markets for paste. The EC's 90,000 ton tariff quota for Portuguese prepared and preserved tomato products has been renewed for 1983. The EC currently levies a 12.6 percent ad valorem duty on Portuguese products entering within the tariff quota and an 18 percent ad valorem duty for other third country suppliers.

Israel exports 75-80 percent of its tomato products. Although small in comparison to other major producers, Israel's tomato production and tomato product exports have been increasing since 1980. With the loss of EC markets, Israeli exporters have turned to the United States and Canada.

Taiwan's exports to the United States increased fourfold in early 1982; however, Taiwanese producers are exercising caution in their expansion of output in 1983. Exports in 1983 are expected to fall slightly. The United States, Japan, Saudi Arabia, Korea, the Philippines, Hong Kong and Indonesia are Taiwan's major markets.



# TOMATO PRODUCTS

## U.S. TRADE

Due to small U.S. harvests in 1980 and 1981, total imports of canned tomatoes, tomato paste and tomato sauce rose from 29,134 tons in 1979/80 to 39,485 tons in 1980/81 and then jumped to 160,604 tons in 1981/82. Total import value in 1981/82 was \$101,367,000 compared to \$22,039,000 in 1980/81.

From July 1981 through June 1982, the United States recorded net imports of tomato paste, tomato sauce and canned tomatoes of 74,916 tons, 2,967 tons and 59,429 tons, respectively. With the exception of the relatively small market for tomato sauce, U.S. exports have declined over the past three years. Total export value fell from \$23,052,000 in 1980/81 to \$17,973,000 in 1981/82. Canada is the major market for all three products.

Israel remains the chief supplier of U.S. imports of sauce while Italy and Spain supply virtually all U.S. import needs for canned tomatoes. In 1981/82, Taiwan surpassed Mexico as the chief foreign supplier of tomato paste to the United States. Eighty percent of U.S. import demand for tomato paste in 1981/82 was met by Mexico, Taiwan, Portugal, Italy and Israel. Growth in Portugal's exports to the United States was facilitated by the institution of bulk shipments (55 gal. drums) in 1981.

M. Kathryn Ting, (202) 447-2083. Additional information on production estimates may be obtained from Lynn Garrett (202) 382-8877.

### TOMATOES FOR PROCESSING: PRODUCTION IN SELECTED COUNTRIES 1979-1982 (1,000 Metric Tons)

Country	1979	1980	1981	1982
Canada.....	416	380	454	490
France.....	393	416	377	357
Greece.....	998	1,500	1,189	1,193
Israel.....	122	166	181	240
Italy.....	3,635	3,083	3,050	2,800
Mexico.....	200	220	170	180
Portugal.....	542	454	386	480
Spain.....	418	499	477	543
Taiwan.....	365	491	274	378
United States.....	6,649	5,634	5,186	6,622
Total.....	13,738	12,843	11,744	13,283

SOURCE: Foreign Production Estimates Division, FAS/USDA

February 1983

Horticultural and Tropical Products Division,  
FAS/USDA



CANNED TOMATOES AND TOMATO PASTE: PRODUCTION IN SELECTED COUNTRIES 1/  
1980-1981  
(1,000 Metric Tons)

Country	CANNED TOMATOES			TOMATO PASTE		
	1980	1981	1982 <u>2/</u>	1980	1981	1982 <u>2/</u>
France.....	49.7	52.3	47.0	54.0	53.9	49.0
Greece.....	30.0	11.0	9.5	220.0	200.0	200.0
Israel.....	9.9	23.0	27.6	8.7	16.8	21.5
Italy.....	1,060.0	1,010.0	920.0	297.0	305.0	265.0
Mexico.....	---	---	---	30.0	29.0	23.0
Portugal.....	6.1	5.0	6.6	73.0	63.0	81.0
Spain.....	115.0	110.0	90.0	49.0	42.0	48.0
Taiwan.....	8.7	3.7	6.2	26.0	27.0	39.5
United States <u>3/</u> .....	298.5	269.2	293.7	340.3	338.3	406.6
Total.....	1,577.9	1,484.2	1,400.6	1,098.0	1,075.0	1,133.6

--Denotes not available, unknown, not applicable or zero.

1/ Processing occurs in early months of the calendar year in Mexico and Taiwan and in late summer and early fall in all other countries. 2/ Preliminary. 3/ California pack only.

TOMATO PRODUCTS: EXPORTS BY SELECTED COUNTRIES, 1980-1982 1/  
(Metric Tons)

Country of Origin	CANNED TOMATOES			TOMATO PASTE <u>2/</u>		
	1980	1981	1982 <u>3/</u>	1980	1981	1982 <u>3/</u>
France.....	1,232	1,232	1,232	8,200	12,800	8,500
Greece <u>4/</u> .....	3,916	3,437	3,000	130,583	101,758	140,000
Israel <u>4/</u> .....	6,968	15,361	22,000	4,682	10,504	18,300
Italy.....	325,196	410,000	400,000	230,883	295,000	230,000
Mexico <u>4/</u> .....	---	---	---	6,325	6,825	21,000
Portugal <u>4/</u> .....	519	279	550	83,662	80,471	85,000
Spain.....	35,164 <u>3/</u>	50,800	45,000	18,485 <u>3/</u>	31,600	33,000
Taiwan <u>4/</u> .....	7,676	5,957	7,180	32,300	28,239	37,487
United States.....	20,180	14,742	11,715	18,444	12,730	7,972
Total.....	400,851	501,308	490,677	533,564	579,927	581,259

--Denotes not available, unknown, not applicable, or zero.

1/ Data reported for marketing year beginning in July except where indicated. 2/ 32° brix in United States, 28°-30° brix in all other countries. 3/ Preliminary. 4/ Year beginning January 1.

February 1983

Horticultural and Tropical Products Division, FAS/USDA

# TOMATO PRODUCTS

## U.S. EXPORTS OF TOMATO PRODUCTS MARKETING YEAR BEGINNING JULY 1 (Metric Tons)

Commodity and Country	1980/81	1981/82
<u>Tomatoes Canned</u>		
Canada.....	12,800	10,299
Bermuda.....	155	163
Venezuela.....	10	210
Italy.....	89	19
Saudi Arabia.....	408	263
United Arab Em.....	137	68
Singapore.....	117	82
Hong Kong.....	86	71
Japan.....	335	93
Others.....	605	447
Total.....	14,742	11,715
<u>Tomato Paste</u>		
Canada.....	10,010	6,657
Haiti.....	614	201
Neth. Antilles.....	91	58
Colombia.....	82	96
Saudi Arabia.....	316	307
Singapore.....	72	36
Hong Kong.....	297	116
Japan.....	655	73
Others.....	593	428
Total.....	12,730	7,972
<u>Tomato Sauce</u>		
Canada.....	1,193	1,252
Mexico.....	544	410
Japan.....	366	383
Fr. Pacific Is.....	361	385
Singapore.....	144	49
Hong Kong.....	83	66
Saudi Arabia.....	39	63
Honduras.....	---	490
Trinidad & Tob.....	95	69
Bermuda.....	57	44
Others.....	552	394
Total.....	3,434	3,605

--Denotes not available, unknown, not applicable or zero.

SOURCE: U.S. Department of Commerce, Bureau of Census.

## U.S. IMPORTS OF TOMATO PRODUCTS MARKETING YEAR BEGINNING JULY 1 (Metric Tons)

Commodity and Country	1980/81	1981/82
<u>Tomatoes, Canned</u>		
Canada.....	69	303
Mexico.....	250	108
Italy.....	16,966	34,756
Spain.....	3,930	23,776
Israel.....	2,976	9,944
China.....	47	580
Taiwan.....	419	1,326
Others.....	60	351
Total.....	24,717	71,144
<u>Tomato Paste</u>		
Canada.....	1	274
Mexico.....	5,119	15,822
Peru.....	---	851
Chile.....	---	1,559
Brazil.....	856	1,619
France.....	6	914
Italy.....	139	9,919
Greece.....	3	985
Spain.....	1,573	4,905
Portugal.....	2,681	11,993
Romania.....	54	321
Turkey.....	---	2,484
Israel.....	143	8,899
Canary Islands.....	---	541
Taiwan.....	2,751	21,624
Others.....	17	178
Total.....	13,343	82,888
<u>Tomato Sauce</u>		
Israel.....	1,305	5,697
Portugal.....	---	545
Italy.....	---	135
Canada.....	---	99
Others.....	120	96
Total.....	1,425	6,572

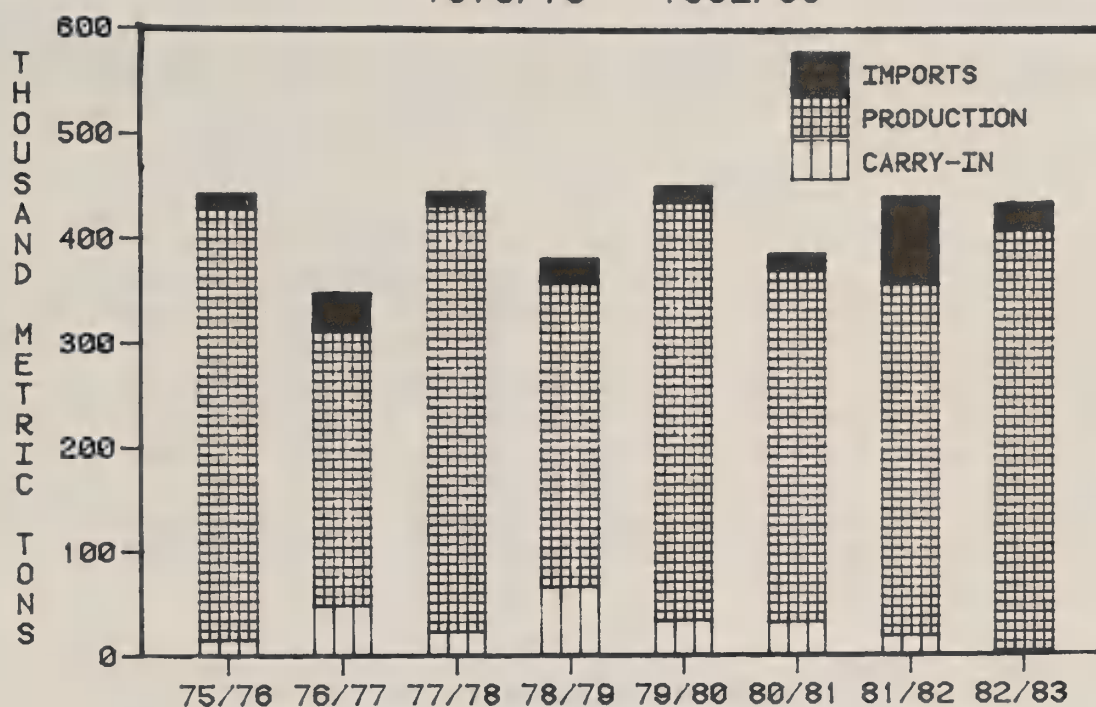
--Denotes not available, unknown, not applicable or zero.

SOURCE: U.S. Department of Commerce, Bureau of Census.

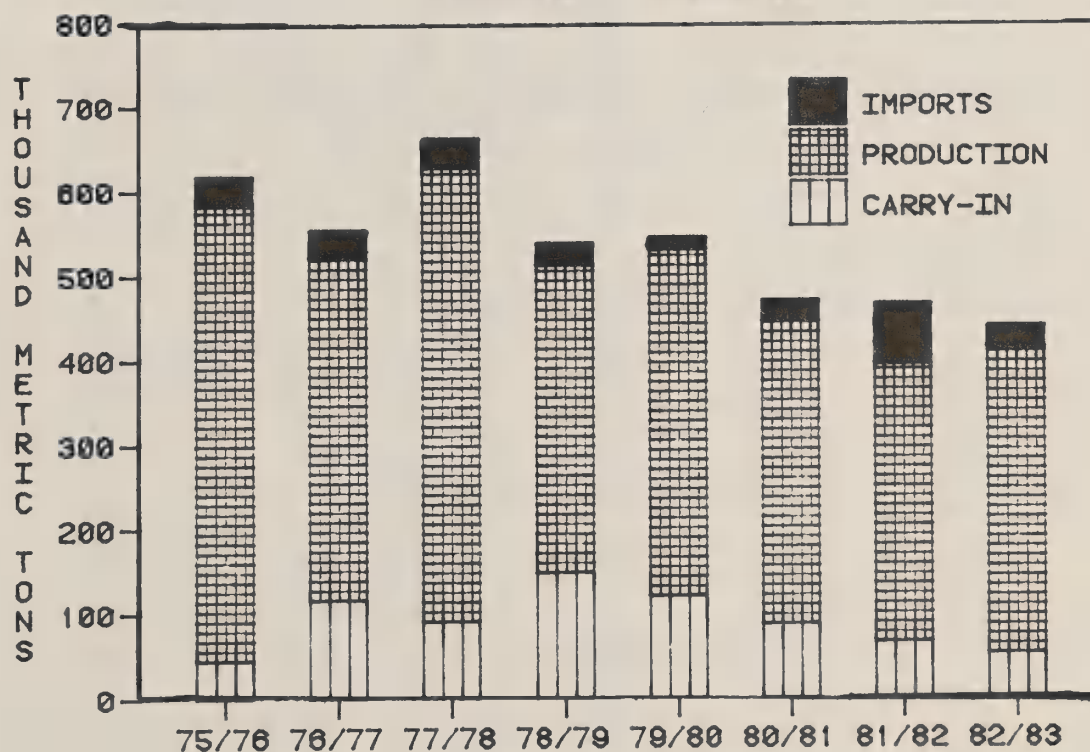


# U.S. SUPPLY OF TOMATO PASTE 1975/76 - 1982/83

TOMATO PRODUCTS



# U.S. SUPPLY OF CANNED TOMATOES 1975/76 - 1982/83



NOTE: Graphs based on California stocks and pack and on total U.S. imports, July 1-June 30. Imports for 1982/83 through November only. California share of U.S. canned tomato production dropped to 60 percent in 1981/82 and 1982/83 from 85 percent in previous years.

February 1983 Horticultural & Tropical Products Division, FAS/USDA

CANADA, THE NUMBER ONE EXPORT MARKET FOR U.S. FRUITS AND VEGETABLES(Part IV, Processed Fruit and Vegetables 1/)

Canadian imports of most processed fruit and vegetables have not changed during the past two decades. The biggest exceptions were imports of frozen concentrate orange juice (FCOJ) which increased 5 to 6 fold, and canned mushrooms which grew from close to nothing to a C\$40 million. The United States shared in the growth of the orange juice market, but Far Eastern suppliers captured all of the canned mushroom market. Other items which showed some import growth were frozen vegetables; canned tomatoes; tomato paste in bulk containers; olives, not canned; canned pineapple; pineapple juice; and non-specified fruit juices. U.S. suppliers shared in the growth of all these items except canned pineapples. (See tables at the end of this article for an historical perspective.)

In 1981 Canada imported C\$577 million (US\$485 million) of processed fruit and vegetables. The United States supplied 51 percent of these imports.

Canned mushrooms and tomato products accounted for 63 percent of the value of 1981 processed vegetable imports. The United States shares only in the tomato products market. The large increase in imports of tomato products in 1981 was due to a short Canadian crop in 1980.

According to Agriculture Canada calculations, the approximate U.S. share of imports in the Canadian market for selected processed vegetable products in 1979 was:

	<u>Percent</u>
Frozen beans	9
Frozen broccoli	29
Frozen carrots	28
Frozen Spinach	100
Canned asparagus	11
Canned carrots	28
Canned mushrooms	85
Canned tomatoes	35*
Canned tomato juice	1
Tomato paste & puree	75*

\*Indicates USDA estimates.

1/ The previous parts appeared in the August, October, and November issues of the Horticultural Products Review, FHORT 2-82, FHORT 4-82, and FHORT 5-82.



Canadian import duties for most processed vegetables range from 10 to 22.5 percent ad valorem. A few items not generally grown in Canada, such as spinach, enter duty free. Some representative ad valorem duties, f.o.b., are:

	Percent
Frozen broccoli.....	20.0
Frozen potato products.....	10.0
Dehydrated potato products.....	12.5
Other dehydrated vegetables.....	10.0
Canned asparagus.....	22.5
Canned mushrooms.....	20.0
Canned tomatoes*.....	13.6
Tomato paste.....	13.6

\*Except types not grown in Canada which enter duty-free.

## CANADA: IMPORTS OF PROCESSED VEGETABLES, 1981

Item	TOTAL IMPORTS		IMPORTS FROM U.S.	
	Metric Tons	1,000 1/ Canadian Dollars	Metric Tons	1,000 1/ Canadian Dollars
<b>FROZEN VEGETABLES</b>				
Carrots.....	3,733	2,880	3,278	2,457
Broccoli.....	2,603	2,790	2,326	2,525
Spinach.....	1,877	1,412	1,877	1,412
Potato Products.....	1,501	1,222	1,470	1,195
Peas.....	992	875	910	764
Green, Wax Beans.....	1,045	741	1,039	737
Lima Beans.....	578	569	556	551
Others.....	5,427	4,656	4,940	4,158
Total.....	17,756	15,185	16,396	13,799
<b>DRIED VEGETABLES</b>				
Potatoes.....	1,331	2,280	1,265	2,178
Others.....	8,605	17,483	5,175	10,778
Total.....	9,936	19,763	6,440	12,956
<b>VEGETABLES PRESERVED NOT CANNED:</b>				
Tomato Paste.....	12,179	12,865	6,851	7,625
Cucumbers.....	647	539	346	183
Others.....	3,424	3,761	1,668	1,661
Total.....	16,250	17,165	8,865	9,489
<b>CANNED VEGETABLES</b>				
Mushrooms.....	27,032	40,256	76	143
Tomato Paste.....	23,086	23,017	5,390	6,315
Other Tomatoes.....	36,428	19,589	11,054	8,433
Pickles and Relish.....	3,765	3,876	2,013	1,778
Corn.....	1,831	1,512	639	506
Asparagus.....	561	1,087	1	3
Pimento.....	857	902	372	410
Beans.....	1,311	712	1,091	564
Carrots.....	800	636	68	40
Tomato Juice.....	1,176	377	1,150	366
Ketchup.....	213	208	204	198
Others.....	8,397	9,143	2,261	2,127
Total.....	105,457	101,315	24,319	20,883
Grand Total.....	149,399	153,432	56,020	57,127

1/ In 1981 the average exchange rate was C\$1.00 to US\$0.84.

SOURCE: Official Trade of Canada.

# CANADA

The most important processed fruit imports, other than juices, in Canada are raisins, canned pineapple, peaches and fruit mixtures. Australia has traditionally been the largest supplier of raisins. In 1974, Australia began to ship raisins in retail packages to Canada in addition to bulk raisins. In 1979, Australia lost its preferential access to the Canadian market when the duty of 1.5 cents per lb. for other suppliers was eliminated. Except for apples, all of Canada's dried fruit is imported. Canadian canned fruit production declined over the past two decades; canned peaches by about 80 percent and pears by 30 percent. According to Agriculture Canada, imports of frozen cherries and strawberries represented 18 and 76 percent, respectively, of total disappearance in 1979. Imports of canned apricots, peaches and pears accounted for 71, 87 and 38 percent, respectively, of disappearance.

## CANADA: IMPORTS OF PROCESSED FRUIT, 1981 <sup>1/</sup>

Item	TOTAL IMPORTS		IMPORTS FROM U.S.	
	Metric Tons	1,000 <sup>2/</sup> Canadian Dollars	Metric Tons	1,000 <sup>2/</sup> Canadian Dollars
<b>FROZEN FRUIT</b>				
Strawberries.....	7,092	8,899	1,444	1,946
Other.....	4,142	5,218	3,532	4,433
Total.....	11,234	14,117	4,976	6,379
<b>DRIED FRUIT</b>				
Raisins.....	23,035	50,791	12,504	31,157
Dates.....	5,291	6,950	2,037	3,753
Prunes.....	3,762	6,501	3,727	6,430
Currants.....	1,754	3,382	51	102
Apricots.....	576	2,664	206	867
Figs.....	1,208	2,142	645	1,074
Apples.....	359	1,027	316	952
Others.....	1,874	4,133	1,193	2,640
Total.....	37,859	77,590	20,679	46,975
<b>PROCESSED FRUIT, NOT CANNED:</b>				
Olives in Liquid.....	8,804	12,119	612	1,043
Cherries in Liquid.....	3,013	4,515	2,120	3,285
Others.....	7,431	6,404	5,185	4,146
Total.....	19,248	23,038	7,917	8,474
<b>CANNED FRUIT</b>				
Pineapples.....	35,803	25,982	10,563	7,810
Peaches.....	26,729	21,832	17,959	14,822
Mixed Fruit.....	21,251	20,608	17,539	17,218
Jams, Jellies.....	3,514	6,201	1,484	2,508
Citrus.....	4,682	5,196	412	451
Pears.....	6,208	5,124	811	746
Olives.....	2,436	4,067	1,954	3,441
Apricots.....	2,525	2,027	186	158
Others.....	3,851	4,133	1,795	1,684
Total.....	106,999	95,170	52,703	48,838
Grand Total.....	175,340	209,915	86,275	110,666

<sup>1/</sup> Excludes fruit juices. <sup>2/</sup> In 1981 the average exchange rate was C\$1.00 to US \$0.84.

SOURCE: Official Trade of Canada.

February 1983

Horticultural and Tropical Products Division, FAS/USDA



Preferential tariff rates for canned fruit from Australia were eliminated as of September 30, 1982. Import duties for all countries are now 13 percent for canned peaches and 10 percent for canned fruit mixtures. Dried apples pay a 10 percent duty but all other dried fruit pays no duty. Frozen strawberries for processing are levied a duty of 3 cents Canadian per lb. (min. 10 percent). The duty on other frozen strawberries is 15 percent.

Orange juice accounted for 70 percent of the value of Canada's fruit juice imports in 1981. The United States was the leading supplier of orange juice to Canada until the late 1970's when Brazil captured the lead. Most imports from the United States are in retail size containers. Imports from Brazil, however, enter in 55 gallon drums as bulk frozen concentrate which is further processed in Canada. The following tabulation shows Canadian orange juice imports on a single strength equivalent basis as estimated by the USDA.

Year	FCOJ 1/				All Orange Juice		
	Total	U.S.	U.S. Share		Total	U.S.	U.S. Share
	-1 million-	--liters--	--Percent--		-1 million-	--liters--	--Percent--
1975...	218.4	100.1	46	:	266.4	144.2	54
1976...	226.5	122.2	54	:	263.9	157.5	60
1977...	230.1	111.9	49	:	279.0	153.3	55
1978...	304.4	101.5	33	:	345.7	140.9	41
1979...	319.7	125.5	39	:	357.4	161.1	45
1980...	326.5	147.5	45	:	368.6	189.2	51
1981...	417.6	148.6	36	:	437.4	166.9	38

Note: 1 liter=0.2642 gallon.

1/ FCOJ=frozen concentrate orange juice. Calculations based on assumption that 95 percent of imports from the United States are 3+1 concentrate (42° or 45° brix) and the remainder are 65° brix concentrate, and that all imports from other origins are 65° brix.

SOURCE: Calculated from Official Trade of Canada.

Representative Canadian import duties for fruit juices are:

Orange juice, conc., 58° brix or more.....	free
Orange juice, other.....	5 percent
Grapefruit juice, conc., 50° brix or more.	free
Grapefruit juice, other.....	3 percent
Apple juice, conc., for further processing..	50¢ Canadian per imp. gal.* (10% min.)
Apple juice, single strength.....	5 percent
Pineapple juice.....	free

\*One imperial gallon=1.2 U.S. gallons.

## CANADA: IMPORTS OF FRUIT JUICES, 1981

Item	TOTAL IMPORTS		IMPORTS FROM U.S.	
	Metric Tons 1/	1,000 2/ Canadian Dollars	Metric Tons 1/	1,000 2/ Canadian Dollars
<b>ORANGE</b>				
Frozen Concentrate.....	93,483	140,264	42,453	75,900
Concentrate Not, Frozen:	1,565	2,219	1,289	1,835
Not Concentrate.....	12,003	7,923	11,999	7,921
<b>Apple</b>				
Concentrate, Not Frozen:	10,014	12,203	1,096	1,366
<b>GRAPEFRUIT</b>				
Concentrate, Not Frozen:	1,102	1,826	941	1,555
Not Concentrate.....	9,067	5,464	9,067	5,464
<b>PINEAPPLE</b>				
Not Concentrate.....	14,855	5,782	7,478	3,009
<b>GRAPE</b>				
Concentrate, Not Frozen:	3,285	3,397	2,199	2,113
<b>LEMON</b>				
Frozen Concentrate.....	793	1,117	565	798
Concentrate, Not Frozen:	781	1,221	597	969
Not Concentrate.....	380	471	250	320
<b>BLENDED</b>				
	1,405	930	1,365	887
<b>NES</b>				
Frozen Concentrate.....	13,292	20,982	11,006	17,393
Concentrate, Not Frozen:	2,146	3,750	1,070	1,306
Not Concentrate.....	11,901	6,548	9,416	5,128
Grand Total.....	176,072	214,097	100,831	125,964

NES indicates not elsewhere specified.

1/ All data are in product weight. The number of gallons per metric ton range from 196 for 70.5° brix concentrate apple juice to 255 for single strength 10° brix grapefruit juice.

2/ In 1981 the average exchange rate was C\$1.00 per US\$0.84.

SOURCE: Official Trade of Canada

February 1983

Horticultural and Tropical Products Division, FAS/USDA

## CANADA: IMPORTS OF SELECTED PROCESSED FRUIT PRODUCTS

Commodity and Year	QUANTITY AND ORIGIN			U.S. Market Share	Commodity and Year	QUANTITY AND ORIGIN			U.S. Market Share		
	U.S.	Other	Total			U.S.	Other	Total			
	-----Metric Tons-----			Percent		-----Metric Tons-----			Percent		
FROZEN CHERRIES:						FROZEN STRAWBERRIES:					
Average						Average					
1960-1964.....	1,738	9	1,747	99.5		1960-1964.....	1,072	2,740	3,812	28.1	
1965-1969.....	1,215	---	1,215	100.0		1965-1969.....	710	5,916	6,626	10.7	
1970-1974.....	1,227	---	1,227	100.0		1970-1974.....	1,294	7,236	8,530	15.2	
1975-1979.....	650	18	668	97.3		1975-1979.....	3,302	7,291	10,593	31.2	
Annual						Annual					
1976.....	736	---	736	100.0		1976.....	4,910	6,686	11,596	42.3	
1977.....	655	88	743	88.2		1977.....	2,559	6,929	9,488	27.0	
1978.....	587	---	587	100.0		1978.....	3,066	8,190	11,256	27.2	
1979.....	869	17	886	98.1		1979.....	2,084	7,863	9,947	21.0	
1980.....	271	---	271	100.0		1980.....	1,518	5,786	7,304	20.8	
1981.....	290	---	290	100.0		1981.....	1,444	5,648	7,092	20.4	

---Denotes not available, zero or not applicable.

SOURCE: Calculated from Official Trade of Canada.

February 1983

Horticultural and Tropical Products Division, FAS/USDA



## CANADA: IMPORTS OF SELECTED PROCESSED FRUIT PRODUCTS

Commodity and Year	QUANTITY AND ORIGIN			U.S. Market Share		Commodity and Year	QUANTITY AND ORIGIN			U.S. Market Share
	U.S.	Other	Total				U.S.	Other	Total	
	Metric Tons			Percent			Metric Tons			Percent
<b>DRIED APPLES:</b>						<b>DRIED FIGS:</b>				
Average						Average				
1960-1964.....	291	45	336	86.6		1960-1964.....	962	761	1,723	55.8
1965-1969.....	179	89	268	66.8		1965-1969.....	786	586	1,372	57.3
1970-1974.....	304	129	433	70.2		1970-1974.....	617	502	1,119	55.1
1975-1979.....	389	147	536	72.6		1975-1979.....	540	655	1,195	45.2
Annual						Annual				
1976.....	408	79	487	83.8		1976.....	406	708	1,114	36.4
1977.....	374	169	543	68.9		1977.....	531	919	1,450	36.6
1978.....	333	146	479	69.5		1978.....	482	786	1,268	38.0
1979.....	432	254	686	63.0		1979.....	726	485	1,211	60.0
1980.....	275	115	390	70.5		1980.....	483	457	940	51.4
1981.....	316	43	359	88.0		1981.....	645	563	1,208	53.4
<b>DRIED APRICOTS:</b>						<b>DRIED PRUNES OR PLUMS:</b>				
Average						Average				
1960-1964.....	153	292	445	34.4		1960-1964.....	5,108	67	5,175	98.7
1965-1969.....	86	274	360	23.9		1965-1969.....	4,778	28	4,806	99.4
1970-1974.....	156	215	371	42.0		1970-1974.....	4,440	77	4,517	98.3
1975-1979.....	255	280	535	47.7		1975-1979.....	4,567	137	4,704	97.1
Annual						Annual				
1976.....	264	255	519	50.9		1976.....	4,683	75	4,758	98.4
1977.....	182	341	523	34.8		1977.....	4,819	37	4,856	99.2
1978.....	233	426	659	35.4		1978.....	5,114	48	5,162	99.1
1979.....	196	293	489	40.1		1979.....	3,825	33	3,858	99.1
1980.....	223	456	679	32.8		1980.....	4,044	61	4,105	98.5
1981.....	206	370	576	35.8		1981.....	3,727	35	3,762	99.1
<b>DRIED CURRANTS:</b>						<b>DRIED RAISINS:</b>				
Average						Average				
1960-1964.....	71	1,881	1,952	36.4		1960-1964.....	6,878	15,088	21,966	31.3
1965-1969.....	55	305	360	15.3		1965-1969.....	5,780	17,014	22,794	25.4
1970-1974.....	261	1,340	1,601	16.3		1970-1974.....	5,785	14,905	20,694	28.0
1975-1979.....	174	1,457	1,631	10.7		1975-1979.....	7,151	15,227	22,378	32.0
Annual						Annual				
1976.....	46	1,808	1,854	2.5		1976.....	7,806	16,193	23,999	32.5
1977.....	347	1,177	1,524	22.8		1977.....	8,458	14,219	22,677	37.3
1978.....	81	2,044	2,125	3.8		1978.....	5,573	16,111	21,684	25.7
1979.....	361	1,408	1,769	20.4		1979.....	6,125	18,199	24,324	25.2
1980.....	466	1,017	1,483	31.4		1980.....	8,385	14,770	23,155	36.2
1981.....	51	1,703	1,754	2.9		1981.....	12,504	10,531	23,035	54.3
<b>DRIED DATES:</b>						<b>CHERRIES, IN LIQUID, PRESERVED, NOT CANNED:</b>				
Average						Average				
1960-1964.....	1,463	6,368	7,831	18.7		1960-1964.....	---	---	---	---
1965-1969.....	849	5,914	6,763	12.6		1965-1969.....	---	---	---	---
1970-1974.....	1,034	4,438	5,472	18.9		1970-1974.....	1,387	2,041	3,428	40.5
1975-1979.....	2,038	5,178	7,216	28.2		1975-1979.....	3,407	273	3,680	92.6
Annual						Annual				
1976.....	1,419	3,971	5,390	26.3		1976.....	1,633	2,948	4,581	35.6
1977.....	1,306	4,393	5,699	22.9		1977.....	4,742	327	5,069	93.5
1978.....	3,157	5,799	8,956	35.3		1978.....	4,354	295	4,649	93.7
1979.....	1,531	5,574	7,105	21.5		1979.....	4,139	506	4,645	89.1
1980.....	1,594	2,948	4,542	35.1		1980.....	2,857	401	3,258	87.7
1981.....	2,037	3,254	5,291	38.5		1981.....	2,120	893	3,013	70.4

--Denotes not available, zero or not applicable.

SOURCE: Calculated from Official Trade of Canada

February 1983

Horticultural and Tropical Products Division, FAS/USDA

## CANADA

## CANADA: IMPORTS OF SELECTED PROCESSED FRUIT PRODUCTS

Commodity and Year	QUANTITY AND ORIGIN			U.S. Market Share	Commodity and Year	QUANTITY AND ORIGIN			U.S. Market Share
	U.S.	Other	Total			U.S.	Other	Total	
	-----Metric Tons-----			Percent		-----Metric Tons-----			Percent
OLIVES IN LIQUID PRESERVED, NOT CANNED:					CANNED PEACHES:				
Average					Average				
1960-1964.....	957	4,349	5,306	18.0	1960-1964.....	13,638	1,499	15,137	90.1
1965-1969.....	626	4,819	5,445	11.5	1965-1969.....	18,660	10,382	29,042	64.3
1970-1974.....	474	5,798	6,272	7.6	1970-1974.....	20,313	6,635	26,948	75.4
1975-1979.....	790	7,189	7,979	9.9	1975-1979.....	23,872	6,516	30,388	78.6
Annual					Annual				
1976.....	1,010	7,552	8,562	11.8	1976.....	23,044	4,599	27,643	83.4
1977.....	1,172	7,218	8,390	14.0	1977.....	26,002	5,314	31,316	83.0
1978.....	338	7,481	7,819	4.3	1978.....	24,680	8,028	32,708	75.5
1979.....	590	8,336	8,926	6.6	1979.....	23,708	6,984	30,692	77.2
1980.....	315	7,169	7,484	4.2	1980.....	20,360	6,196	26,556	76.7
1981.....	612	8,192	8,804	7.0	1981.....	17,959	8,770	26,729	67.2
CANNED APRICOTS:					CANNED PEARS:				
Average					Average				
1960-1964.....	919	1,711	2,630	34.9	1960-1964.....	1,911	1,131	3,042	62.8
1965-1969.....	523	3,123	3,646	14.3	1965-1969.....	1,184	3,546	4,730	25.0
1970-1974.....	385	2,756	3,141	12.3	1970-1974.....	779	5,190	5,969	13.1
1975-1979.....	244	2,421	2,665	9.2	1975-1979.....	1,232	5,923	7,155	17.2
Annual					Annual				
1976.....	388	1,772	2,160	18.0	1976.....	1,409	5,332	6,741	20.9
1977.....	271	2,433	2,704	10.0	1977.....	1,638	5,933	7,571	21.6
1978.....	155	2,552	2,707	5.7	1978.....	1,037	7,161	8,198	12.6
1979.....	185	2,795	2,980	6.2	1979.....	1,162	6,290	7,452	15.6
1980.....	202	1,703	1,905	10.6	1980.....	837	4,225	5,062	16.5
1981.....	186	2,339	2,525	7.4	1981.....	811	5,397	6,208	13.1
CANNED CITRUS:					CANNED PINEAPPLE:				
Average					Average				
1960-1964.....	---	---	---	---	1960-1964.....	6,675	15,412	22,087	30.2
1965-1969.....	1,199	3,677	4,876	24.6	1965-1969.....	5,279	15,376	20,655	25.6
1970-1974.....	945	4,171	5,116	18.5	1970-1974.....	3,470	21,368	24,838	14.0
1975-1979.....	789	4,115	4,904	16.1	1975-1979.....	5,245	22,063	27,308	19.2
Annual					Annual				
1976.....	965	4,276	5,241	18.4	1976.....	4,466	23,263	27,729	16.1
1977.....	568	4,656	5,224	10.9	1977.....	6,882	16,089	22,971	30.0
1978.....	609	3,992	4,601	13.2	1978.....	5,248	23,263	28,511	18.4
1979.....	757	4,066	4,823	15.7	1979.....	5,733	23,526	29,259	19.6
1980.....	757	4,594	5,351	14.1	1980.....	6,049	28,873	34,922	17.3
1981.....	412	4,270	4,682	8.8	1981.....	10,563	25,240	35,803	29.5
CANNED OLIVES:					CANNED MIXED FRUITS, NES:				
Average					Average				
1960-1964.....	---	---	---	---	1960-1964.....	17,810	1,164	18,974	93.9
1965-1969.....	1,173	108	1,281	91.6	1965-1969.....	18,385	4,933	23,318	78.8
1970-1974.....	1,671	393	2,064	81.0	1970-1974.....	16,440	4,340	20,780	79.1
1975-1979.....	2,181	447	2,628	83.0	1975-1979.....	21,067	3,807	24,874	84.7
Annual					Annual				
1976.....	2,449	634	3,083	79.4	1976.....	20,294	3,487	23,781	85.3
1977.....	2,364	417	2,781	85.0	1977.....	22,103	3,156	25,259	87.5
1978.....	1,986	290	2,276	87.3	1978.....	22,088	5,303	27,391	80.6
1979.....	2,422	564	2,986	81.1	1979.....	21,241	3,548	24,789	85.7
1980.....	1,576	550	2,126	74.1	1980.....	17,277	4,037	21,314	81.1
1981.....	1,954	482	2,436	80.2	1981.....	17,539	3,712	21,251	82.5

---Denotes not available, zero, or not applicable.

SOURCE: Calculated from Official Trade of Canada

February 1983

Horticultural and Tropical Products Division, FAS/USDA



## CANADA: IMPORTS OF SELECTED PROCESSED VEGETABLE PRODUCTS

Commodity and Year	QUANTITY AND ORIGIN			U.S. Market Share		Commodity and Year	QUANTITY AND ORIGIN			U.S. Market Share
	U.S.	Other	Total				U.S.	Other	Total	
	Metric Tons			Percent			Metric Tons			Percent
FROZEN BEANS, GREEN AND WAX:						FROZEN PEAS:				
Average						Average				
1960-1964.....	---	---	---	---		1960-1964.....	123	---	123	100.0
1965-1969.....	186	7	193	96.4		1965-1969.....	1,101	---	1,101	100.0
1970-1974.....	441	43	484	91.1		1970-1974.....	706	52	758	93.1
1975-1979.....	590	39	629	93.8		1975-1979.....	244	56	300	81.3
Annual						Annual				
1976.....	785	---	785	100.0		1976.....	253	38	291	86.9
1977.....	169	---	169	100.0		1977.....	149	52	201	74.1
1978.....	469	5	474	98.9		1978.....	238	76	314	75.8
1979.....	803	144	947	84.8		1979.....	149	73	222	67.1
1980.....	1,625	13	1,638	99.2		1980.....	1,002	67	1,069	93.7
1981.....	1,039	6	1,045	99.4		1981.....	910	82	992	91.7
FROZEN BEANS, LIMA:						FROZEN POTATO PRODUCTS:				
Average						Average				
1960-1964.....	---	---	---	---		1960-1964.....	62	---	62	100.0
1965-1969.....	451	10	461	97.8		1965-1969.....	864	5	869	99.4
1970-1974.....	270	58	328	82.3		1970-1974.....	1,149	86	1,235	93.0
1975-1979.....	155	48	203	76.4		1975-1979.....	2,572	83	2,655	96.9
Annual						Annual				
1976.....	436	93	529	73.2		1976.....	4,918	120	5,038	97.6
1977.....	230	100	330	69.7		1977.....	4,816	84	4,900	98.3
1978.....	315	154	469	67.2		1978.....	1,405	67	1,472	95.4
1979.....	426	23	449	94.9		1979.....	1,342	104	1,446	92.8
1980.....	307	51	358	85.8		1980.....	1,497	14	1,511	99.1
1981.....	556	22	578	96.2		1981.....	1,470	31	1,501	97.9
FROZEN BROCCOLI:						FROZEN SPINACH:				
Average						Average				
1960-1964.....	---	---	---	---		1960-1964.....	251	---	251	100.0
1965-1969.....	278	---	278	100.0		1965-1969.....	764	---	764	100.0
1970-1974.....	598	32	630	94.9		1970-1974.....	1,359	---	1,359	100.0
1975-1979.....	1,200	74	1,274	94.2		1975-1979.....	1,745	---	1,745	100.0
Annual						Annual				
1976.....	1,181	81	1,262	93.6		1976.....	1,852	---	1,852	100.0
1977.....	1,275	123	1,398	91.2		1977.....	1,832	---	1,832	100.0
1978.....	1,457	---	1,457	100.0		1978.....	1,726	---	1,726	100.0
1979.....	1,137	141	1,278	89.0		1979.....	2,035	---	2,035	100.0
1980.....	1,297	240	1,537	84.4		1980.....	1,742	---	1,742	100.0
1981.....	2,326	277	2,603	89.4		1981.....	1,877	---	1,877	100.0
FROZEN CARROTS:						TOMATO PASTE, NOT CANNED:				
Average						Average				
1960-1964.....	143	---	143	100.0		1960-1964.....	---	---	---	---
1965-1969.....	912	---	912	100.0		1965-1969.....	---	---	---	---
1970-1974.....	2,414	---	2,414	100.0		1970-1974.....	1,413	20	1,433	98.6
1975-1979.....	3,115	223	3,338	93.3		1975-1979.....	2,720	841	3,561	76.4
Annual						Annual				
1976.....	2,792	139	2,931	95.3		1976.....	1,157	605	1,762	65.6
1977.....	2,355	121	2,476	95.1		1977.....	1,249	744	1,993	62.7
1978.....	3,641	465	4,106	88.7		1978.....	2,952	847	3,799	77.7
1979.....	3,585	390	3,975	90.2		1979.....	6,521	1,874	8,395	77.7
1980.....	3,151	382	3,533	89.2		1980.....	3,551	2,823	6,374	55.7
1981.....	3,278	455	3,733	87.8		1981.....	6,851	5,328	12,179	56.3

---Denotes not available, zero, or not applicable.

SOURCE: Calculated from Official Trade of Canada

February 1983

Horticultural and Tropical Products Division, FAS/USDA

## CANADA

## CANADA: IMPORTS OF SELECTED PROCESSED VEGETABLE PRODUCTS

Commodity and Year	QUANTITY AND ORIGIN			U.S. Market Share		Commodity and Year	QUANTITY AND ORIGIN			U.S. Market Share
	U.S.	Other	Total				U.S.	Other	Total	
	Metric Tons			Percent			Metric Tons			Percent
CANNED ASPARAGUS:						CANNED MUSHROOMS 2/:				
Average						Average				
1960-1964.....	924	17	941	98.2		1960-1964.....	33	236	269	12.3
1965-1969.....	150	88	238	63.0		1965-1969.....	57	2,078	2,135	2.7
1970-1974.....	19	333	352	5.3		1970-1974.....	79	9,109	9,188	.9
1975-1979.....	1	499	500	.2		1975-1979.....	126	22,132	22,258	.6
Annual						Annual				
1976.....	---	564	564	---		1976.....	177	14,782	14,959	1.2
1977.....	1	376	377	.3		1977.....	39	26,718	26,757	.1
1978.....	2	587	589	.3		1978.....	175	22,133	22,308	.8
1979.....	---	470	470	---		1979.....	177	31,802	31,979	.6
1980.....	3	340	343	1.0		1980.....	17	25,009	25,026	.1
1981.....	1	560	561	.2		1981.....	77	26,955	27,032	.3
CANNED BEANS, NES 1/:						CANNED PIMENTOS:				
Average						Average				
1960-1964.....	---	---	---	---		1960-1964.....	127	126	253	50.2
1965-1969.....	---	---	---	---		1965-1969.....	299	163	462	64.7
1970-1974.....	582	473	1,055	55.2		1970-1974.....	308	302	610	50.5
1975-1979.....	1,311	675	1,986	66.0		1975-1979.....	355	393	748	47.4
Annual						Annual				
1976.....	1,686	619	2,305	73.1		1976.....	322	365	687	46.9
1977.....	1,463	606	2,069	70.7		1977.....	368	410	778	47.3
1978.....	1,509	742	2,251	67.0		1978.....	465	423	888	52.4
1979.....	874	830	1,704	51.3		1979.....	345	549	894	38.6
1980.....	942	390	1,332	70.7		1980.....	401	556	957	41.9
1981.....	1,091	220	1,311	83.2		1981.....	372	485	857	43.4
CANNED CARROTS:						CANNED TOMATO PASTE:				
Average						Average				
1960-1964.....	---	---	---	---		1960-1964.....	4,276	6,570	10,846	39.4
1965-1969.....	---	---	---	---		1965-1969.....	3,749	19,361	23,130	16.2
1970-1974.....	71	3,098	3,169	2.2		1970-1974.....	4,891	17,845	22,736	21.5
1975-1979.....	111	2,554	2,665	4.2		1975-1979.....	8,239	14,596	22,835	36.1
Annual						Annual				
1976.....	153	2,584	2,737	5.6		1976.....	9,075	12,371	21,446	42.3
1977.....	112	2,673	2,785	4.0		1977.....	8,199	14,781	22,980	35.7
1978.....	52	2,918	2,970	1.8		1978.....	8,089	18,237	26,326	30.7
1979.....	93	2,316	2,409	3.9		1979.....	10,392	15,791	26,183	39.7
1980.....	14	699	713	2.0		1980.....	6,698	13,361	20,059	33.4
1981.....	66	732	800	8.5		1981.....	5,390	17,696	23,086	23.3
CANNED CORN:						CANNED TOMATOES:				
Average						Average				
1960-1964.....	584	---	584	100.0		1960-1964.....	2,459	5,657	8,116	30.3
1965-1969.....	776	2	778	99.7		1965-1969.....	5,312	8,972	14,284	37.2
1970-1974.....	791	66	857	52.3		1970-1974.....	9,477	14,827	24,304	39.0
1975-1979.....	1,483	467	1,950	76.1		1975-1979.....	13,924	20,961	34,885	39.9
Annual						Annual				
1976.....	2,089	206	2,295	91.0		1976.....	15,804	27,702	43,506	36.3
1977.....	2,032	370	2,402	84.6		1977.....	11,725	18,535	30,260	38.7
1978.....	1,996	603	2,599	76.8		1978.....	12,890	18,443	31,333	41.1
1979.....	680	1,032	1,712	39.7		1979.....	16,353	16,160	32,513	50.3
1980.....	324	1,301	1,625	19.9		1980.....	14,247	12,817	27,064	52.6
1981.....	639	1,192	1,831	34.9		1981.....	11,054	25,374	36,428	30.3

---Denotes not available, zero, or not applicable. 1/ Other than baked beans. 2/ New weight.

SOURCE: Calculated from Official Trade of Canada.

February 1983

Horticultural and Tropical Products Division, FAS/USDA



## CANADA: IMPORTS OF FRUIT JUICES 1/

Year	Metric Tons	U.S. Share	Metric Tons	U.S. Share	Metric Tons	U.S. Share	Metric Tons	U.S. Share	Metric Tons	U.S. Share
		(Percent)		(Percent)		(Percent)		(Percent)		(Percent)
	Orange Juice		Orange Juice		Orange Juice		Orange Juice		Apple Juice	
	Fz. Conc. 2/		Conc., Not Fz.		Not Conc.		Conc., Not Fz.		Conc., Not Fz.	
Average	15,229	90.3	2,668	75.2	23,262	92.4	---	---	---	---
1960-64 3/	18,325	67.4	1,391	44.0	23,658	88.1	---	---	---	---
1965-69 3/	27,759	61.9	1,753	63.8	15,888	93.4	---	---	373	91.7
1970-74....	60,059	53.4	3,523	82.0	25,154	99.4	---	---	911	90.5
Annual										
1976.....	54,682	63.8	2,635	85.1	24,546	99.9	---	---	526	96.4
1977.....	54,381	58.8	4,607	69.1	25,728	99.9	---	---	1,123	89.3
1978.....	67,503	43.0	2,757	87.6	27,971	99.7	---	---	797	92.8
1979.....	72,702	49.3	2,803	87.2	23,897	99.4	8,159	14.1	1,608	87.3
1980.....	76,069	55.4	3,956	98.2	22,192	99.9	6,363	15.3	1,069	100.0
1981.....	93,483	45.4	1,565	82.4	12,003	99.9	10,014	10.9	1,102	85.4
	Grapefruit Juice		Pineapple Juice		Lemon Juice		Lemon Juice			
	Not Conc.		Not Conc.		Fz. Conc.		Conc., not Fz.			
Average	10,867	98.1	8,368	95.7	1,501	95.2	599	83.8	702	98.0
1960-64 3/	10,531	95.9	9,766	90.9	439	78.2	448	56.3	594	97.6
1965-69 3/	10,265	98.5	7,440	52.7	323	67.5	384	44.0	471	83.4
1970-74....	14,045	95.9	10,971	39.2	1,036	57.3	347	92.8	533	93.2
Annual										
1976.....	12,766	99.9	8,267	36.9	1,007	27.6	239	100.0	716	92.2
1977.....	13,505	99.9	9,876	43.4	622	89.7	217	96.3	873	93.7
1978.....	15,897	100.0	12,558	47.5	1,237	69.4	442	96.2	338	95.0
1979.....	15,748	100.0	14,740	38.6	1,677	67.4	498	92.6	271	94.1
1980.....	13,952	99.6	16,298	49.7	652	51.1	482	96.3	411	85.9
1981.....	9,067	100.0	14,855	50.3	793	71.2	781	76.4	380	76.3
	Grape Juice		Juice, NES		Juice, NES		Juice, NES			
	Conc., Not Fz.		Conc., Fz.		Conc., Not Fz.		Not Conc.			
Average	2,297	22.2	3,418	63.3	3,160	21.6	1,751	53.2		
1970-74....	2,012	57.5	5,716	80.6	5,200	20.2	7,986	59.6		
1975-79....										
Annual										
1976.....	1,444	54.4	4,466	80.6	6,892	27.8	5,106	79.6		
1977.....	1,661	48.2	5,652	78.2	4,601	17.5	10,388	58.3		
1978.....	2,261	67.0	6,132	87.9	7,729	16.0	6,492	78.3		
1979.....	3,346	67.8	7,264	86.6	1,713	41.9	14,955	46.3		
1980.....	2,896	81.7	9,450	89.0	2,684	48.0	5,060	82.1		
1981.....	3,285	66.9	13,292	82.8	2,146	49.9	11,501	79.1		

1/ Data in actual product weight. 2/ These data tend to overstate the U.S. share of imports because most U.S. concentrate is of a lower density than concentrate from other suppliers. 3/ Original data were in gallons. Conversion to metric tons is based on FAS estimates of average brix levels for each juice.

SOURCE: Calculated from Official Trade of Canada.

February 1983

Horticultural and Tropical Products Division, FAS/USDA

SELECTED HORTICULTURAL PRODUCTS : QUANTITY OF U.S. EXPORTS,  
DECEMBER AND SEASON-DECEMBER 1982, WITH COMPARISONS

COMMODITY/COUNTRY AND BEGINNING OF SEASON	1981	1982	1981	1982	DEC-80S- DEC	CHANGE FROM 1981
DECEMBER	1981	1982	1981	1982	DEC-80S- DEC	CHANGE FROM 1981

---(IN METRIC TONS)---				PERCENT
ORANGES, FRESH (NOV 1)				
CANADA.....	11,040	11,413	25,288	19,437 +3 -28
TOTAL EC-TEN.....	11	14	11	14 +27
GERMANY, FED. REP.....	11	12	11	12 +11 +11
UNITED KINGDOM.....	---	---	---	2
OTHER EUROPE.....				
OTHER.....	1	---	21	---
TOTAL EUROPE.....	12	14	32	14 +17 -57
LATIN AMERICA.....	47	---	85	7 -100 -80
BERMUDA AND CARIBBEAN.....	108	82	240	217 -24 -59
HONG KONG.....	10,4124	7,776	18,969	7,281 -53 -52
JAPAN.....	2,735	2,639	6,312	4,697 +4 -26
OTHER COUNTRIES.....	1,601	2,852	3,247	4,791 +78 +48
WORLD TOTAL.....	25,667	21,780	50,773	36,815 -15 -27
AVOCADOS, FRESH (NOV 1)				
CANADA.....	179	338	427	539 +88 +26
TOTAL EC-TEN.....	195	21	481	52 -89 -86
DENMARK.....	---	---	6	---
FRANCE.....	59	5	172	7 -91 -96
GERMANY, FED. REP.....	---	---	1	---
NETHERLANDS.....	64	3	144	3 -95 -98
UNITED KINGDOM.....	71	13	158	41 -82 -74
OTHER EUROPE.....				
OTHER.....	41	---	70	---
TOTAL EUROPE.....	236	21	552	52 -91 -91
LATIN AMERICA.....	53	---	189	2 -94 -64
BERMUDA AND CARIBBEAN.....	3	3	3	5 +64
HONG KONG.....	---	---	---	---
JAPAN.....	---	7	108	7 +88 -93
OTHER COUNTRIES.....	---	---	---	1 -100 +93
WORLD TOTAL.....	472	372	1,279	614 -21 -52
GRAPEFRUIT, FRESH (SEPT 1)				
CANADA.....	3,842	3,993	15,413	14,967 +4 -13
TOTAL EC-TEN.....	6,826	8,141	28,802	28,201 +19 -13
BELGIUM-LUX.....	209	56	649	215 -73 -67
FRANCE.....	3,076	4,000	13,730	13,515 +30 -2
GERMANY, FED. REP.....	658	1,398	2,161	2,366 +12 +10
ITALY.....	154	---	---	---
NETHERLANDS.....	2,402	2,341	10,817	7,971 -3 -26
UNITED KINGDOM.....	326	345	1,025	1,020 +6 -15
OTHER EUROPE.....				
FINLAND.....	34	---	84	202 -100 +141
NORWAY.....	---	---	41	25 -40 -
SWEDEN.....	18	122	218	401 +73 +84
OTHER.....	98	74	317	196 -24 -36
TOTAL EUROPE.....	6,976	8,337	29,461	26,024 +20 -12
LATIN AMERICA.....	3	---	---	---
BERMUDA AND CARIBBEAN.....	2	27	28	14 -100 -71
HONG KONG.....	40	36	177	177 -8 +26
JAPAN.....	8,648	7,246	21,110	25,374 -16 +20
OTHER COUNTRIES.....	42	56	142	131 +35 -7
WORLD TOTAL.....	19,552	19,665	66,352	66,695 +1 +1
LEMONS, FRESH (AUG 1)				
CANADA.....	1,227	1,170	6,164	3,842 -5 -38
TOTAL EC-TEN.....	2,164	620	8,756	1,280 -71 -85
BELGIUM-LUX.....	698	---	1,944	---
DENMARK.....	---	---	---	---
FRANCE.....	490	565	2,308	1,130 +18 -51
GERMANY, FED. REP.....	---	---	2,729	---
NETHERLANDS.....	915	37	1,666	132 -96 -92
UNITED KINGDOM.....	---	---	---	---
OTHER EUROPE.....				
NORWAY.....	---	---	96	17 -82 -
SWEDEN.....	321	123	565	-62 +40 -
OTHER.....	---	---	2	---
TOTAL EUROPE.....	2,495	744	9,865	-70 -81
LATIN AMERICA.....	---	---	---	---
BERMUDA AND CARIBBEAN.....	3	9	72	72 +23 +12
HONG KONG.....	287	263	1,738	1,648 -5 -6
JAPAN.....	8,842	9,899	38,395	37,660 +12 -2
OTHER COUNTRIES.....	214	366	393	430 +82 +139
WORLD TOTAL.....	13,056	12,474	56,673	49,937 +4 +18

SELECTED HORTICULTURAL PRODUCTS : QUANTITY OF U.S. EXPORTS,  
DECEMBER AND SEASON-DECEMBER 1982, WITH COMPARISONS

COMMODITY/COUNTRY AND BEGINNING OF SEASON	DECEMBER		SEASON=		FROM 1981	CHANGE
	1981	1982	1981	1982		
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APPLES, FRESH JULY 1		(IN METRIC TONS)		PERCENT	
CANADA.....	2,929	1,148	34,227	26,202	-61
TOTAL EC-TEN.....	939	943	6,746	4,038	-59
FRANCE.....	---	---	---	---	---
GERMANY, FED. REP.....	13	---	---	---	-100
GREECE.....	---	---	---	---	-100
IRELAND.....	48	155	503	603	+20
NETHERLANDS.....	253	14	738	220	-43
UNITED KINGDOM.....	625	685	5,370	3,274	-39
OTHER EUROPE.....	1,569	1,093	3,437	3,343	-3
FINLAND.....	1,802	732	3,425	3,429	-56
NORWAY.....	1,299	770	2,887	1,038	-64
SWEDEN.....	117	155	935	1,073	-34
OTHER.....	5,725	3,793	17,420	12,334	-24
TOTAL EUROPE.....	12,598	9,434	31,622	29,582	-6
LATIN AMERICA.....	867	1,827	3,240	4,682	+11
BERMUDA AND CARIBBEAN.....	2,671	3,035	10,858	10,940	+26
HONG KONG.....	16,471	15,811	63,862	60,570	-5
OTHER COUNTRIES.....	41,202	35,049	161,059	144,369	-10
WORLD TOTAL.....	1,245	575	16,017	9,669	-54
PEARS, FRESH (JULY 1).....	227	116	330	136	-49
CANADA.....	142	---	---	---	---
TOTAL EC-TEN.....	12	---	---	---	---
GERMANY, FED. REP.....	11	---	---	---	---
IRELAND.....	---	---	---	---	---
NETHERLANDS.....	51	99	88	102	+93
UNITED KINGDOM.....	34	18	56	18	-68
OTHER EUROPE.....	---	---	---	---	---
FINLAND.....	---	153	20	229	***
NORWAY.....	341	97	961	453	-71
SWEDEN.....	894	1,095	3,405	2,477	-24
OTHER.....	---	---	---	---	---
TOTAL EUROPE.....	1,452	1,461	4,721	3,299	-31
LATIN AMERICA.....	2,892	1,797	10,758	6,883	-38
BERMUDA AND CARIBBEAN.....	79	169	295	540	+114
HONG KONG.....	---	15	99	48	***
OTHER COUNTRIES.....	1,650	1,393	4,459	5,527	+25
WORLD TOTAL.....	7,298	5,411	36,350	25,965	-26
GRAPES, FRESH (JUNE 1).....	2,793	3,168	74,192	71,456	-14
CANADA.....	156	155	244	462	+33
TOTAL EC-TEN.....	---	---	---	---	---
GERMANY, FED. REP.....	---	23	---	---	---
IRELAND.....	---	---	---	---	---
ITALY.....	---	---	---	---	---
NETHERLANDS.....	79	100	80	114	+27
UNITED KINGDOM.....	59	60	181	109	-41
OTHER EUROPE.....	53	30	77	94	+44
FINLAND.....	88	70	166	126	-24
NORWAY.....	420	357	810	592	-15
SWEDEN.....	2	---	---	---	---
OTHER.....	702	640	1,315	1,270	-9
TOTAL EUROPE.....	2,032	1,532	4,656	3,195	-25
LATIN AMERICA.....	257	580	914	1,757	+126
BERMUDA AND CARIBBEAN.....	440	1,065	6,012	9,336	+142
HONG KONG.....	358	258	899	899	-28
JAPAN.....	1,518	1,891	11,132	11,555	+25
OTHER COUNTRIES.....	8,050	9,134	98,749	99,469	+1
WORLD TOTAL.....	---	---	---	---	---



SELECTED HORTICULTURAL PRODUCTS : QUANTITY OF U.S. EXPORTS,  
DECEMBER AND SEASON-DECEMBER 1982, WITH COMPARISONS

COMMODITY/COUNTRY AND BEGINNING OF SEASON	DECEMBER		SEASON-		CHANGE FROM 1981 DEC-80S- DEC
	1981	1982	1981	1982	

WALNUTS, SHELLED (AUG 1)					
	77	45	244	248	-11

CANADA					
	253	73	782	395	-71

TOTAL EC-TEN					
	3	1	3	6	-16

BELGIUM-LUX					
	31	7	7	101	-90

FRANCE					
	31	7	7	67	-100

GERMANY, FED. REP.					
	12	19	19	72	-88

IRELAND					
	64	21	150	56	-67

ITALY					
	64	33	127	68	-49

NETHERLANDS					
	2	3	20	16	-33

OTHER EUROPE					
	2	25	107	40	-9

SWEDEN					
	349	159	1,357	838	-54

TOTAL EUROPE					
	27	3	378	285	-87

LATIN AMERICA					
	1	14	25	-88	+79

BERMUDA AND CARIBBEAN					
	67	62	221	199	-7

JAPAN					
	112	115	452	534	+2

OTHER COUNTRIES					
	642	386	2,666	2,103	-40

WORLD TOTAL					
	154	196	1,312	1,731	+27

CANADA					
	2,542	1,304	2,471	1,678	-49

TOTAL EC-TEN					
	43	24	431	280	-43

BELGIUM-LUX					
	129	65	962	1,600	-50

FRANCE					
	373	246	3,361	2,160	-50

GERMANY, FED. REP.					
	1,480	680	15,342	8,551	-22

IRELAND					
	5	10	10	10	-100

ITALY					
	97	268	1,211	1,211	-100

NETHERLANDS					
	136	160	1,233	1,618	+18

OTHER EUROPE					
	279	129	2,564	2,355	-54

SWEDEN					
	13	55	221	319	+314

TOTAL EUROPE					
	160	18	1,704	1,553	-88

LATIN AMERICA					
	228	221	2,414	2,601	-3

BERMUDA AND CARIBBEAN					
	3,127	1,687	1,255	1,100	-52

JAPAN					
	52	35	875	22,291	-46

OTHER COUNTRIES					
	11	3	31	482	-33

WORLD TOTAL					
	887	46	29,368	37	-14

CANADA					
	37	71	495	424	+92

TOTAL EC-TEN					
	40	204	204	63	-100

BELGIUM-LUX					
	---	---	---	10	---

FRANCE					
	---	---	---	10	---

GERMANY, FED. REP.					
	40	---	122	20	-100

IRELAND					
	---	---	---	18	---

ITALY					
	---	---	---	15	---

NETHERLANDS					
	---	---	---	3	---

OTHER EUROPE					
	---	---	---	1	---

SWEDEN					
	40	---	205	66	-100

TOTAL EUROPE					
	7	2	97	67	-76

LATIN AMERICA					
	5	---	---	1	-93

BERMUDA AND CARIBBEAN					
	---	---	---	7	---

JAPAN					
	---	---	---	26	---

OTHER COUNTRIES					
	583	188	1,379	1,670	-68

WORLD TOTAL					
	200	137	1,257	2,261	-61

CANADA					
	160	91	524	872	-43

TOTAL EC-TEN					
	923	846	5,653	6,631	-8

BELGIUM-LUX					
	39	17	114	67	-58

FRANCE					
	226	198	1,117	1,330	-12

GERMANY, FED. REP.					
	394	439	2,567	3,301	+12

IRELAND					
	---	---	---	53	-11

ITALY					
	62	55	530	543	-11

NETHERLANDS					
	200	137	1,257	1,359	-31

OTHER EUROPE					
	6	2	98	69	-70

SWEDEN					
	45	11	177	44	-76

TOTAL EUROPE					
	10	12	142	106	-20

LATIN AMERICA					
	74	101	441	598	+36

BERMUDA AND CARIBBEAN					
	1,057	972	6,482	7,448	-8

JAPAN					
	---	---	79	55	+23

OTHER COUNTRIES					
	10	2	46	11	-77

WORLD TOTAL					
	21	235	1,157	1,403	-13

CANADA					
	2,865	1,047	4,422	32,392	-63

TOTAL EC-TEN					
	395	18	565	535	+74

BELGIUM-LUX					
	---	---	---	412	-21

FRANCE					
	---	---	---	836	-100

GERMANY, FED. REP.					
	320	106	4,493	4,434	+19

IRELAND					
	397	4,729	3,945	3,945	-100

ITALY					
	153	---	---	224	-95

NETHERLANDS					
	164	8	611	29	---

OTHER EUROPE					
	---	---	---	367	399

SWEDEN					
	---	---	---	419	439

TOTAL EUROPE					
	485	---	11,562	9,230	-100

LATIN AMERICA					
	2,497	479	41,180	28,504	-81

BERMUDA AND CARIBBEAN					
	38	74	877	1,546	+94

JAPAN					
	33	1	48	6	-96

OTHER COUNTRIES					
	---	---	---	4	---

WORLD TOTAL					
	103	98	840	633	-5

CANADA					
	194	479	28,815	16,406	+103

TOTAL EC-TEN					
	10	18	565	535	+74

BELGIUM-LUX					
	---	---	---	412	-21

FRANCE					
	---	---	---	836	-100

GERMANY, FED. REP.					
	320	106	4,493	4,434	+19

IRELAND					
	397	4,729	3,945	3,945	-100

ITALY					
	153	---	---	224	-95

NETHERLANDS					
	164	8	611	29	---

OTHER EUROPE					
	---	---	---	367	399

SWEDEN					
	---	---	---	419	439

TOTAL EUROPE					
	485	---	11,562	9,230	-100

LATIN AMERICA					
	2,497	479	41,180	28,504	-81

BERMUDA AND CARIBBEAN					
	38	74	877	1,546	+94

JAPAN					
	33	1	48	6	-96

OTHER COUNTRIES					
	---	---	---	4	---

WORLD TOTAL					
	103	98	840	633	-5

CANADA					
	194	479	28,815	16,406	+103

TOTAL EC-TEN					
	10	18	565	535	+74

BELGIUM-LUX					
	---	---	---	412	-21

COMMODITY/COUNTRY AND BEGINNING OF SEASON	DECEMBER 1981	DECEMBER 1982	SEASON- 1981	DECEMBER 1982	FROM 1981 TO DEC-1982
CHANGING WITH CONTINUOUS					

		----- (IN METRIC TONS) -----		: PERCENT	
APRICOTS, CANNED (JUNE 1)					
13	164	112	-100	-131	
CANADA.....	---	31	-96	-55	
TOTAL EC-TEN.....	1	69	1	-90	
BELGIUM-LUX.....	6	14	1	-100	
DENMARK.....	---	---	---	---	
GERMANY, FED. REP.....	6	7	1	-100	
ITALY.....	---	---	1	---	
NETHERLANDS.....	4	40	15	-100	
UNITED KINGDOM.....	---	13	---	-207	
OTHER EUROPE.....	---	---	---	---	
FINLAND.....	3	3	---	-100	
NORWAY.....	---	3	15	---	
SWEDEN.....	---	10	13	---	
OTHER.....	---	---	---	---	
TOTAL EUROPE.....	19	4	54	-85	
LATIN AMERICA.....	88	283	213	---	
BERMUDA AND CARIBBEAN.....	2	1	18	---	
HONG KONG.....	---	1	5	---	
JAPAN.....	2	9	56	---	
OTHER COUNTRIES.....	23	38	203	---	
WORLD TOTAL.....	59	141	826	---	
MIXTURES 2> FRUIT, PREP/PRES:					
928	9,985	7,458	-8	-25	
CANADA.....	756	3,151	-3	-20	
TOTAL EC-TEN.....	5	506	-97	-13	
BELGIUM-LUX.....	---	---	---	---	
DENMARK.....	---	---	---	---	
GERMANY, FED. REP.....	673	2,062	159	---	
GREECE.....	---	---	---	---	
ITALY.....	2	12	---	---	
NETHERLANDS.....	324	947	357	-82	
UNITED KINGDOM.....	57	177	156	-100	
OTHER EUROPE.....	---	---	---	---	
FINLAND.....	29	247	345	-100	
NORWAY.....	190	81	552	-57	
SWEDEN.....	22	1,087	718	-38	
OTHER.....	52	1,108	819	---	
TOTAL EUROPE.....	1,018	1,701	6,040	+5	
LATIN AMERICA.....	160	1,071	2,585	---	
BERMUDA AND CARIBBEAN.....	91	178	918	---	
HONG KONG.....	62	70	1,213	+14	
JAPAN.....	378	453	2,164	+20	
OTHER COUNTRIES.....	693	611	3,993	-12	
WORLD TOTAL.....	3,330	3,379	27,514	+1	
PEACHES, CANNED (JUNE 1)					
769	868	8,790	6,971	+13	
CANADA.....	29	2,783	3,856	-90	
TOTAL EC-TEN.....	281	6	293	-86	
BELGIUM-LUX.....	7	---	---	-92	
DENMARK.....	---	30	12	-100	
GERMANY, FED. REP.....	174	---	3,372	-100	
ITALY.....	2	12	15	---	
NETHERLANDS.....	28	17	137	-39	
UNITED KINGDOM.....	---	---	---	---	
OTHER EUROPE.....	---	---	---	---	
FINLAND.....	34	350	47	-100	
NORWAY.....	69	19	377	-72	
SWEDEN.....	67	16	585	-43	
OTHER.....	---	11	186	---	
TOTAL EUROPE.....	451	74	4,281	-84	
LATIN AMERICA.....	135	138	4,911	1,634	
BERMUDA AND CARIBBEAN.....	22	42	163	+96	
HONG KONG.....	82	158	927	-100	
JAPAN.....	294	753	4,330	+156	
OTHER COUNTRIES.....	236	313	1,187	1,624	



[illegible]JANUARY 1983

# U.S. EXPORTS

SELECTED HORTICULTURAL PRODUCTS : QUANTITY OF U.S. EXPORTS,  
DECEMBER AND SEASON-DECEMBER 1982, WITH COMPARISONS

SELECTED HORTICULTURAL PRODUCTS : QUANTITY OF U.S. EXPORTS,  
DECEMBER AND SEASON-DECEMBER 1982, WITH COMPARISONS

COMMODITY/COUNTRY AND BEGINNING OF SEASON	1981	1982	DECEMBER 1981	DECEMBER 1982	SEASON- 1981	SEASON- 1982	CHANGE FROM 1981	PERCENT
GRAPEFRUIT JUICE, CONC NOV 1:								
CANADA.....	28,282	20,196	75,369	66,864	-29	-11		
TOTAL EC-TEN.....	---	---	11,305	---	---	---		
UNITED KINGDOM.....	---	---	11,305	---	---	---		
OTHER EUROPE.....	---	---	---	---	---	---		
SWEDEN.....	---	---	1,365	---	---	---		
OTHER.....	---	---	59,985	59,985	-48	-33		
TOTAL EUROPE.....	22,308	11,700	89,129	59,985	-48	-33		
LATIN AMERICA.....	22,308	11,700	101,799	59,985	-48	-33		
BERMUDA AND CARIBBEAN.....	4,523	210	4,523	210	-95	-95		
HONG KONG.....	4,622	12,693	36,857	16,037	-175	-56		
OTHER COUNTRIES.....	---	---	---	2,045	---	---		
OTHER COUNTRIES.....	4,487	6,289	9,386	10,905	40	16		
WORLD TOTAL.....	64,222	51,088	227,924	156,046	-20	-32		
PINEAPPLE JUICE CONC JUNE 1:								
CANADA.....	5,920	---	5,920	24,602	100	316		
TOTAL EC-TEN.....	24,624	17,820	133,382	151,508	28	13		
UNITED KINGDOM.....	17,820	---	133,382	151,508	28	13		
OTHER EUROPE.....	6,804	---	3,770	80,028	-100	100		
SWEDEN.....	---	---	---	---	---	---		
OTHER.....	---	---	---	---	---	---		
TOTAL EUROPE.....	17,820	---	133,382	151,508	28	13		
LATIN AMERICA.....	848	---	49,185	74,185	---	---		
BERMUDA AND CARIBBEAN.....	---	---	---	---	---	---		
HONG KONG.....	---	---	---	---	---	---		
OTHER COUNTRIES.....	75,510	---	537,165	330,414	-72	-38		
OTHER COUNTRIES.....	106,902	50,569	809,093	673,557	-53	-17		
WORLD TOTAL.....	---	---	---	---	---	---		
ORANGE FROZEN (NOV 1)								
CANADA.....	3,203,147	2,750,764	6,561,007	5,230,194	-14	-20		
TOTAL EC-TEN.....	1,995,289	767,207	2,943,751	1,487,594	-49	-22		
UNITED KINGDOM.....	46,260	---	61,680	61,680	---	---		
OTHER EUROPE.....	48,491	---	171,573	141,258	-97	-17		
SWEDEN.....	517,832	411,351	713,428	625,678	-26	-12		
OTHER.....	21,840	---	43,660	102,000	267	133		
TOTAL EUROPE.....	771,085	93,927	1,363,662	1,844,115	88	72		
LATIN AMERICA.....	69,781	55,401	130,788	172,563	-21	-10		
BERMUDA AND CARIBBEAN.....	---	---	---	---	---	---		
HONG KONG.....	---	---	---	---	---	---		
OTHER COUNTRIES.....	24,480	---	24,480	24,480	-100	---		
OTHER COUNTRIES.....	85,022	27,044	277,801	173,590	-68	-38		
WORLD TOTAL.....	223,494	286,246	312,334	497,848	29	59		
FRANCE.....	172,153	168,018	313,087	263,860	-2	-16		
TOTAL EC-TEN.....	2,000,438	1,250,515	3,471,453	2,447,172	-37	-30		
LATIN AMERICA.....	86,088	124,796	125,058	248,088	45	59		
BERMUDA AND CARIBBEAN.....	47,214	141,853	139,475	263,837	200	89		
HONG KONG.....	27,654	70,274	60,781	95,216	152	57		
OTHER COUNTRIES.....	---	---	---	---	---	---		
OTHER COUNTRIES.....	465,381	715,135	925,786	1,405,876	54	52		
WORLD TOTAL.....	5,830,122	5,061,925	11,283,560	9,698,971	-13	-14		
GRAPEFRUIT, FROZEN (NOV 1):								
CANADA.....	372,586	198,520	687,225	437,746	-47	-36		
TOTAL EC-TEN.....	180,980	171,805	284,373	331,643	5	17		
UNITED KINGDOM.....	15,300	2,700	19,612	6,120	-82	-69		
OTHER EUROPE.....	79,189	37,588	132,709	190,773	53	44		
SWEDEN.....	75,711	121,103	121,103	121,103	60	60		
OTHER.....	10,780	10,414	56,341	13,647	-3	-76		
TOTAL EUROPE.....	23,680	---	47,360	13,419	-100	---		
LATIN AMERICA.....	---	---	---	---	---	---		
BERMUDA AND CARIBBEAN.....	---	---	---	---	---	---		
HONG KONG.....	---	---	---	---	---	---		
OTHER COUNTRIES.....	426,380	33,600	428,940	59,520	-92	-86		
OTHER COUNTRIES.....	15,018	13,457	20,272	17,879	-10	-12		
WORLD TOTAL.....	1,073,490	441,617	1,602,721	911,741	-59	-43		

JANUARY 1983

HORTICULTURAL AND TROPICAL PRODUCTS DIVISION, FAS/USDA

JANUARY 1983

HORTICULTURAL AND TROPICAL PRODUCTS DIVISION, FAS/USDA



COMMODITY/COUNTRY AND BEGINNING OF SEASON	DECEMBER AND SEASON-DECEMBER 1964, WITH COMPARISONS				: CHANGE : FROM 1981
	DECEMBER		SEASON-		
	1961	1982	1981	1982	
	DEC:80S-	DEC:80S-	DEC:80S-	DEC:80S-	DEC:
	-----	-----	-----	-----	----

TOMATOES, WHOLE (END (JULY 1) :	----- (IN METRIC TONS) -----	PERCENT				
CANADA.....	560	311	6,377	3,799	-44	-40
TOTAL COMMONWEALTH.....	---	1	16	15	***	-59
BELGIUM-LUX.....	---	---	16	---	---	-15
DENMARK.....	---	---	---	14	---	-100
ITALY.....	---	---	19	---	---	-100
UNITED KINGDOM.....	---	1	---	1	***	---
OTHER EUROPE.....	---	---	---	---	---	-100
SWEDEN.....	---	---	2	---	---	-100
OTHER.....	---	2	---	---	---	-16
TOTAL EUROPE.....	---	1	40	17	---	-58
LATIN AMERICA.....	---	229	---	3	-100	-99
AFRICA.....	2	---	153	201	+136	+31
SERVUADA AND CARIBBEAN.....	28	67	---	57	-65	+142
HONG KONG.....	2	1	24	---	---	-98
JAPAN.....	55	1	67	---	---	-41
OTHER COUNTRIES.....	44	57	350	471	+31	+35
WORLD TOTAL.....	691	439	7,240	4,587	-16	-37

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FRENCH FRIES, FROZ (OCT 1)...			
CANADA.....	11	---	11
OTHER AMERICA.....	---	---	---
OTHER EUROPE.....	---	---	---
FINLAND.....	---	---	---
OTHER.....	---	---	---
TOTAL EUROPE.....	---	---	---
LATIN AMERICA.....	117	185	367
BERMUDA AND CARIBBEAN.....	89	137	265
HONG KONG.....	257	493	851
JAPAN.....	2,630	2,943	8,466
OTHER COUNTRIES.....	200	223	986
OTHER TOTAL.....	3,304	3,980	10,715
			11,925
			+20
			+10

POTATOES, FRESH (OCT. 1)				
CANADA.....	1,824	1,693	6,448	-7
TOTAL EC-TEN.....	18	18	---	-100
UNITED KINGDOM.....	18	---	---	-100
OTHER EUROPE.....				
SWEDEN.....	51	41	124	-20
OTHER.....	---	---	---	+2
TOTAL EUROPE.....	69	41	124	-41
LATIN AMERICA.....	547	84	3,722	-92
BERMUDA AND CARIBBEAN.....	427	964	844	+9
HONG KONG.....	1	9	4790	+2
OTHER COUNTRIES.....	158	61	186	-53
WORLD TOTAL.....	1,026	2,451	11,280	-22

AGRICULTURAL AND TROPICAL PRODUCTS DIVISION, FAS/USDA

JANUARY 1983

COLLECTED HORTICULTURAL PRODUCTS : QUANTITY OF U.S. EXPORTS,  
DECEMBER AND SEASON-DECEMBER 1982, WITH COMPARISONS

[illegible]

	(OCT 1)		((IN METRIC TONS))		% PERCENT
TO FLAKES AND GRANULES :					
CANADA.....	75	65	227	151	-13
TAL EC-TEN.....	200	431	692	52	+61
JENMARK.....	--	9	18	--	--
GERMANY, FED. REP.....	70	95	143	229	+36
IRELAND.....	18	18	36	--	+100
NETHERLANDS.....	19	--	81	--	--
UNITED KINGDOM.....	112	251	112	328	+46
EUROPE.....	--	--	--	--	--
NORWAY.....	18	36	45	73	+106
SWEDEN.....	58	216	481	28	+74
OTHER.....	58	58	252	+707	+366
AUSTRIA.....	30	54	121	232	+88
ITALY.....	50	51	149	149	+85
JAPAN.....	46	54	156	18	-13
INDIA.....	7	5	13	--	--
AFRICA.....	--	--	--	--	--
CARIBBEAN.....	1	9	7	156	-19
KOREA.....	--	1	--	--	--
HONG KONG.....	--	9	--	--	--
MALAYSIA.....	--	1	--	--	--
THAILAND.....	1,186	572	3,779	2,460	-52
OTHER COUNTRIES.....	35	35	233	302	-85
TOTAL.....	1,851	1,304	5,500	534	-30

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AD. DEHYDRATED (JAN 1)				
ITALY.....	23	69	565	795 +02
TAL EC-TEN.....	73	73	73	52 -15
BELGIUM-LUX.....	1	13	15	37 ***
DENMARK.....	3	---	28	3 -100 -86
FRANCE.....	10	---	85	14 -100 -84
GERMANY* FED. REP.....	24	16	261	174 -33
IRELAND.....	---	---	---	33
ITALY.....	---	---	1	320
NETHERLANDS.....	---	---	4	300
PORTUGAL.....	---	---	184	108 +5
UNITED KINGDOM.....	32	26	251	11 -12
WEST GERMANY.....	---	---	---	---
YUGOSLAVIA.....	---	---	---	---
HER EUROPE.....	6	1	26	21 -84
FINLAND.....	---	---	---	---
NORWAY.....	---	---	---	---
SWEDEN.....	---	---	64	34
OTHER.....	---	---	62	82 ***
ITAL EUROPE.....	79	74	890	-6
UNITED STATES.....	8	88	357	506 +88
CANADA.....	---	---	12	12
MEXICO.....	25	---	131	189
JAPAN.....	---	---	12	12
HER COUNTRIES.....	61	49	469	852
HER TOTAL.....	144	311	2,614	+116

NS., DEHYDRATED (JAN 1980)					
DA.....	194	2,638	2,627	-3	+12
TOTAL EC-TEN.....	623	6,811	7,409	+37	+9
BELGIUM-LUX.....	21	7	115	-56	+4
DENMARK.....	3	--	18	--	--
FRANCE.....	211	182	130	-100	-29
GERMANY, FED. REP.....	211	2,306	2,902	+103	-16
GREECE.....	18	312	150	-36	-52
Ireland.....	---	51	80	--	+57
ITALY.....	---	91	87	+57	+43
NETHERLANDS.....	59	618	897	+57	+43
UNITED KINGDOM.....	312	2,891	2,928	-15	+1
HER EUROPE					
FINLAND.....	16	148	134	-100	-10
NORWAY.....	15	25	308	+63	+33
SWEDEN.....	25	739	565	-6	-24
OTHER.....	200	1,173	1,100	-4	-6
TOTAL EUROPE.....	879	1,095	9,516	+25	+5
LATIN AMERICA.....	71	385	282	-64	-27
AFRICA AND CARIBBEAN.....	2	20	216	+825	+272
HONG KONG.....	---	9	4	-100	-56
JAPAN.....	620	3,129	1,624	-57	-48
OTHER COUNTRIES.....	80	1,860	1,385	-24	-26
WORLD TOTAL.....	1,847	16,482	15,653	-10	-7
SCIENTIFIC AND MEDICAL PRODUCTS VISION, FAS/USDA					

JANUARY 1983

PROTECTOR GENERAL AND TROPICAL PRODUCTS DIVISION, FAS/USDA



## U.S. EXPORTS

SELECTED HORTICULTURAL PRODUCTS : QUANTITY OF U.S. EXPORTS,  
DECEMBER AND SEASON-DECEMBER 1982, WITH COMPARISON

COMMODITY/COUNTRY AND BEGINNING OF SEASON	DECEMBER		SEASON- DECEMBER		CHANGE	
	1981	1982	1981	1982	FROM 1981	DEC: BOS- DEC
-----GALLONS-----						
WINES, FROM FRESH GRAPES JAN:						
CANADA.....	436,213	164,978	5,312,252	4,424,252	-62	-17
TOTAL EC-TEN.....	139,593	91,770	2,152,787	1,893,497	-34	-12
BELGIUM-LUX.....	1,426	63,382	308,170	223,616	***	-27
DENMARK.....	2,360	---	70,113	111,427	-100	+59
FRANCE.....	---	594	144,200	45,785	***	-68
GERMANY, FED. REP.....	23,817	14,649	332,227	249,438	-38	-25
GREECE.....	---	---	724	---	---	-100
IRELAND.....	4,225	---	90,750	49,774	-100	-45
ITALY.....	633	632	8,045	3,586	---	-55
NETHERLANDS.....	12,656	2,061	94,155	35,080	-84	-63
UNITED KINGDOM.....	94,476	10,452	1,104,403	1,174,791	-89	+6
OTHER EUROPE						
FINLAND.....	---	---	2,609	7,779	---	+198
NORWAY.....	---	---	2,295	2,867	---	+25
SWEDEN.....	1,680	---	69,284	31,531	-100	-54
OTHER.....	8,522	25,869	158,983	185,281	+204	+17
TOTAL EUROPE.....	149,795	117,639	2,385,958	2,120,955	-21	-11
LATIN AMERICA.....	79,407	23,109	776,278	732,817	-71	-6
BERMUDA AND CARIBBEAN.....	70,499	96,824	942,775	923,065	+37	-2
HONG KONG.....	770	11,618	88,839	78,741	***	-11
JAPAN.....	970	18,105	235,999	268,050	***	+14
OTHER COUNTRIES.....	29,662	56,929	424,812	359,505	+92	-15
WORLD TOTAL.....	767,316	489,202	10,166,913	8,907,385	-36	-12

JANUARY 1983

HORTICULTURAL AND TROPICAL PRODUCTS DIVISION, FAS/USDA



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